

KAGAN, MARION G.

A PRELIMINARY INVESTIGATION OF

KAUFMAN, MARILYN A.

SOME RELATIONSHIPS BETWEEN
FUNCTIONAL ARTICULATION DISORDERS
AND RESPONSES TO THE CHILDREN'S
APPERCEPTION TEST.

THESIS
1964

FOR REFERENCE
Do Not Take From This Room

BOSTON UNIVERSITY
SCHOOL OF EDUCATION

LIBRARY Thesis
Kagan, M.G.
Kaufman, M.A.
1954

The Gift of Marion G. Kagan and Marilyn A. Kaufman.

Stored

FOR REFERENCE

Do Not Take From This Room

42253

Ed,
THESIS

KAGAN, M.G.

BOSTON UNIVERSITY

KAUFMAN, M.A. SCHOOL OF EDUCATION

1954

Stoud

Thesis

A PRELIMINARY INVESTIGATION OF SOME
RELATIONSHIPS BETWEEN FUNCTIONAL
ARTICULATION DISORDERS AND RESPONSES
TO THE CHILDREN'S APPERCEPTION TEST

Submitted by

Marion G. Kagan

(B.S. Columbia University, S.G.S., 1952)

And

Marilyn A. Kaufman

(B.A. Brooklyn College, 1952)

In Partial Fulfillment of Requirements for the
Degree of Master of Education

1954

Boston University
School of Education
Library

TOYOTA UNIVERSITY

SCHOOL OF EDUCATION

Thesis

SCHOOL OF EDUCATION

AUGUST 24, 1954

42253

Section 8. Japan

(S.S. 1954, University, S.S. 1954)

and

Section 1. Japan

(S.S. 1954, College, 1954)

In article 1 of the Constitution of the

degree of education

1954

Section 8. Japan

ACKNOWLEDGMENTS

The authors wish to express their appreciation to Dr. Pronovost and Dr. Murphy for their guidance, understanding, and the practical suggestions they gave to reduce the enormity of this work.

They also wish to express their gratitude to Miss Ruth

First Reader: Dr. Wilbert L. Pronovost
Associate Professor of Education

Second Reader: Dr. Albert T. Murphy,
Assistant Professor of Education

They are grateful to the teachers and principals of the Warwick, Rhode Island Public School System for making available the children who were used in this study.

They are also indebted to the students of the Boston University Speech Clinic who devoted their time and labor in acquiring the data which made this study possible.

They wish to thank Mr. Murray Cohen for his help in the statistical analysis of the data.

Finally they wish to thank Mrs. Irene Goldstein and Mrs. Jan Cohen for their able assistance.

ACKNOWLEDGMENTS

The authors wish to express their appreciation to Dr. Pronovost and Dr. Murphy for their guidance, understanding, and the practical suggestions they gave to reduce the enormity of this work.

They also wish to express their gratitude to Miss Ruth FitzSimons, Speech Therapist of the Warwick, Rhode Island Public School System for the many hours she devoted to preparing the ground work for this study, testing and selecting the children, and for providing the background information on the sample population. They also wish to thank her for her encouragement and assistance.

They are grateful to the teachers and principals of the Warwick, Rhode Island Public School System for making available the children who were used in this study.

They are also indebted to the students of the Boston University Speech Clinic who devoted their time and labor in acquiring the data which made this study possible.

They wish to thank Mr. Murray Cohen for his help in the statistical analysis of the data.

Finally they wish to thank Mrs. Irene Goldstein and Mrs. Jan Cohen for their able assistance.

ACKNOWLEDGMENTS

The authors wish to express their appreciation to Dr. Pronovost and Dr. Murphy for their guidance, understanding, and the practical suggestions they gave to reduce the enormity of this work.

They also wish to express their gratitude to Miss Ruth Fitzsimons, Speech Therapist of the Warwick, Rhode Island

Public School System for the many hours she devoted to preparing the ground work for this study, testing and selecting the children, and for providing the background information on the sample population. They also wish to thank her for her

Digitized by the Internet Archive
in 2014

encouragement and assistance. They are grateful to the teachers and principals of the Warwick, Rhode Island Public School System for making available the children who were used in this study.

They are also indebted to the students of the Boston University Speech Clinic who devoted their time and labor in securing the data which made this study possible.

They wish to thank Mr. Murray Cohen for his help in the statistical analysis of the data.

Finally they wish to thank Mrs. Irene Goldstein and Mrs. Jan Cohen for their able assistance.

TABLE OF CONTENTS

CHAPTER	Page
I. INTRODUCTION.....	1
Purpose	2
Justification.....	2
Scope	4
II. A REVIEW OF RELATED LITERATURE	5
Literature Related to Projective Techniques.....	5
Literature Related to the Emotional Concomittants of Speech.....	11
III. METHODS, TECHNIQUES, AND PROCEDURES	16
Selection of Sample.....	16
Administration of Test.....	17
Description of Test.....	18
Explanation of Analysis and Approach to Data.....	19
Treatment of Variables.....	25
IV. RESULTS.....	28
Statement of The Problem.....	28
Average Number of Words Per Protocol.....	29
Number and Character of Oral Themes Per Protocol.....	33
Number of Themes Expressing Hostility Toward Parental Figures.....	35
Number of Themes Expressing Child's Perception of Parental Hostility Directed Toward Himself.....	35
V. SUMMARY AND CONCLUSIONS.....	37
Summary.....	37
Discussion of Findings.....	38
Limitations.....	41
Suggestions For Further Research.....	44

LIST OF TABLES

CHAPTER		Page
III.	Table I. Age and I. Q. and Average Number of Words Per. Protocol: Articulation Group.....	17
	TABLE OF CONTENTS CONTINUED	
IV.	Table I. Tabulation of Mean Number of Words Per Protocol.....	28
	Table II. Chi Square Table of Average Number of Words Per Protocol.....	29
CHAPTER		Page
VI.	APPENDIX A.....	30
	Description of CAT Pictures.....	47
	Test Protocols, Articulation Girls....	48
	Test Protocols, Articulation Boys.....	66
	Test Protocols, Normal Girls.....	97
	Test Protocols, Normal Boys.....	121
VII.	RAW DATA.....	
	I. Q. and Average Number of Words Per. Protocol: Articulation Group.....	157
	I. Q. and Average Number of Words Per. Protocol: Normal Group.....	159
	Ratings of Oral Themes: Articulation Group.....	161
	Ratings of Oral Themes: Normal Group.....	162
	Hostility Directed Toward Parents: Articulation Group.....	163
	Hostility Directed Toward Parents: Normal Group.....	164
	Parents Perceived as Hostile: Articulation Group.....	165
	Parents Perceived as Hostile: Normal Group.....	166
VIII.	BIBLIOGRAPHY.....	
	Books.....	167
	Journal Articles.....	169
	Special Publications.....	170

LIST OF TABLES

CHAPTER		Page
III.	Table I. Age and I. Q. Range of Sample.....	17
IV.	Table I. Tabulation of Mean Number of Words Per Protocol.....	28
	Table II. Chi Square Table of Average Number of Words Per Protocol.....	29
	Table III. Chi Square Formula for Average Number of Words Per Protocol.....	30
	Table IVa. Tabulation of Marginal Frequencies : Articulation Group.....	31
	Table IVb. Tabulation of Marginal Frequencies; Normal Group.....	32
	Table V. Chi Square Table for Orally Aggressive Themes.....	33
	Table VI. Chi Square Formula for Orally Aggressive Themes.....	34
	Table VII. Chi Square Table and Formula for Parents Perceived as Hostile.....	36

CHAPTER I

INTRODUCTION

It is important to consider the whole child in an attempt to understand specific traits. Various factors operating within the total personality may have a relationship to a particular aspect of child behavior. Among these factors is the emotional life of the child. The effect of emotion upon the behavior of the individual is very apparent. In discussing the effect of the emotion of stage fright upon the behavior of the individual

CHAPTER I

INTRODUCTION

White explains, "Stage fright carries with it a number of well-known bodily reactions. For the last week preceding the public appearance there is poor appetite, possibly even a complete inability to eat. As the great moment approaches, the heart beats rapidly, the mouth becomes dry, the hands tremble and grow cold,"¹ In a study exploring the effect of grief upon behavior, Lindemann² reports that a repressed desire to cry may give rise to sensations of choking, and tightness in the throat. Are there emotional difficulties which are related to the speech problems of children? Consideration of emotional factors is important for a thorough understanding of the needs and problems of children with speech disabilities.

1. White, S. W. The Abnormal Personality. New York: The Ronald Press Co., 1943, p. 434.

2. Lindemann, E., Symptomatology and Management of Acute Grief, Am. J. of Psych. 1943, Vol. 101, pp. 141-143.

CHAPTER I

INTRODUCTION

It is important to consider the whole child in an attempt to understand specific traits. Various factors operating within the total personality may have a relationship to a particular aspect of child behavior. Among these factors is the emotional life of the child. The effect of emotion upon the behavior of the individual is very apparent. In discussing the effect of the emotion of stage fright upon the behavior of the individual White explains, "Stage fright carries with it a number of well-known bodily reactions. For the last meal preceding the public appearance there is poor appetite, possibly even a complete inability to eat. As the great moment approaches, the heart beats rapidly, the mouth becomes dry, the hands tremble and grow cold,"¹. In a study exploring the effect of grief upon behavior, Lindemann² reports that a repressed desire to cry may give rise to sensations of choking, and tightness in the throat. Are there emotional difficulties which are related to the speech problems of children? Consideration of emotional factors is important for a thorough understanding of the needs and problems of children with speech disabilities.

1. White, R. W. The Abnormal Personality, New York: The Ronald Press Co., 1948, p. 424.

2. Lindemann, E., Symptomatology and Management of Acute Grief, Am. Jr. of Psych. 1942, Vol. 101, pp. 141-148.

PURPOSE

It is the purpose of this study to investigate the relationship of various psychological factors revealed in an analysis of the Children's Apperception Test (hereafter referred to as the CAT) to the functional articulation disorders of childhood. These disorders are defined as errors of omission, substitution and additions of speech sounds occurring with no known organic basis.

JUSTIFICATION

Practical experience has suggested to speech clinicians the likelihood of a relationship between a functional articulation disorder and the emotional life of the child. Van Riper states: "Some of our most difficult articulation cases are those in which the child fails to acquire adult pronunciation because of emotional conflict".¹ This statement has been confirmed in a study by Becky² in which factors related to speech retardation were investigated. Severe fright, isolation, and anticipation of child wants by the parents were found to be significant unfavorable influences. It was also discovered that the child with retarded speech tended to play alone and to cry easily. The authors recommended a further investigation of such factors as parental tensions, attitudes and inadequacy of parental control. She suggested that these factors, "might be

1. Van Riper, C., Speech Correction: Principles & Methods, New York: Prentice-Hall, Inc., 1939, p. 113.

2. Becky, R. E., A Study of Certain Factors Related to Retardation of Speech. JSHD, Vol. 7, p. 236, 1942.

operating insidiously in developing various emotional conflicts producing speech inhibitions."

1.

In an article written by Myklebust the use of psychological techniques by speech pathologists and audiologists is recommended. The author feels that the use of these techniques will lead to a better understanding of speech and hearing handicaps. Exploratory studies using projective tests have been used to discover whether or not there is an emotional basis to stuttering. A study done by Norman and Madison² using the Rosenszweig Picture Frustration Test attempted to discover whether there was any difference in the responses of stutterers and non-stutterers. This study was repeated by Quarrington³ using a different sampling technique. The Thematic Apperception Test (hereafter referred to as the TAT) has also been used by Richardson⁴ in a study comparing the personality of stutterers and non-stutterers. These studies indicate differences between

1. Myklebust, H., The Uses of Clinical Psychological Screening Techniques by Audiologists and Speech Pathologists, JSHD, Vol.15, 1950, p. 129-131.

2. Madison, L., and Norman, R. D., A Comparison of the Performance of Stutterers and Non-Stutterers on the Rosenszweig Picture Frustration Study. Jr. of Clin. Psych. Vol. 8, April 52, p. 179-183.

3. Quarrington, B., A Comparison of the Performance of Stutterers and Non-Stutterers on the Rosenszweig Picture-Frustration Test, Jr. Clin. Psych., April 53, Vol. 9 No. 2.

4. Richardson, L. H., A Personality Study of Stutterers and Non-Stutterers, JSHD, Vol. 9, June 52, p. 152-160.

operating insidiously in developing various emotional conflicts
producing speech inhibitions.¹

I. In an article written by Myklebust the use of psychological techniques by speech pathologists and audiologists is recommended. The author feels that the use of these techniques will lead to a better understanding of speech and hearing handicaps. Exploratory studies using projective tests have been used to discover whether or not there is an emotional basis to stuttering. A study done by Norman and Madison² using the Rosenzweig Picture Frustration Test attempted to discover whether there was any difference in the responses of stutters and non-stutters. This study was repeated by Garlington³ using a different sampling technique. The Thematic Apperception Test (hereafter referred to as the TAT) has also been used by Richardson⁴ in a study comparing the personality of stutters and non-stutters. These studies indicate differences between

1. Myklebust, H. The Uses of Clinical Psychological Screening Techniques by Audiologists and Speech Pathologists, JSHD, Vol. 15, 1950, p. 129-131.

2. Madison, I., and Norman, R. D., A Comparison of the Performance of Stutters and Non-Stutters on the Rosenzweig Picture Frustration Study, Jr. of Clin. Psych., Vol. 8, April 52, p. 179-182.

3. Garlington, B., A Comparison of the Performance of Stutters and Non-Stutters on the Rosenzweig Picture Frustration Test, Jr. Clin. Psych., April 52, Vol. 9 No. 2.

4. Richardson, I. H., A Personality Study of Stutters and Non-Stutters, JSHD, Vol. 9, June 52, p. 132-150.

the personalities of stutterers and non-stutterers, and have provided the speech clinician with useful information about the personality of stutterers. A comparison of the responses of children with functional articulation disorders and normal speech to projective tests should also yield useful information. Such studies have not been attempted before.

SCOPE

This pilot study will investigate the responses of 40 children with normal speech and 40 children with functional articulation disorders to the Childrens Apperception Test. It will deal with an analysis of verbal responses in an **effort** to determine the usefulness of a projective technique in the area of functional articulation disorders.

CHAPTER II

A REVIEW OF RELATED LITERATURE

LITERATURE RELATED TO PROJECTIVE TECHNIQUES

A brief review of the literature on projective techniques is appropriate in this study since the CAT, one of the newer projective methods, forms part of the experimental design of this study. Bellak defines the projective method as "a method of investigating personality by studying the dynamic meaningfulness of the individual differences in perception of standard stimuli."¹ In answer to the question of what is characteristic

CHAPTER II

of projective procedures proper, Rapoport declares, "They are procedures in which the subject actively and spontaneously structures unstructured material. The way in which he structures unstructured material reveals his structuring principles which are the principles of his psychological structure."²

A REVIEW OF RELATED LITERATURE

The history of projective techniques dates back many years and the literature in this field is too extensive to be covered in this study. There have been several reviews of literature, devoted to projective techniques, which summarize the most important work in this field. In an earlier article by Lindsay,³ summarizing the relation of projective testing to the

1. Bellak, L., and Bellak, B., Children's Apperception Test. New York: C.P.S. Co., 1949, p. 1.

2. Rapoport, D., Diagnostic Psychological Testing, Chicago: The New York Book Publishers, Inc., 1949, Vol. II, p. 7.

3. Lindsay, D., Thematic Apperception Tests: Interpretive Assumptions And Related Empirical Findings, Psych. Bull. Jan. 1953 Vol. 49, #1 p. 9-18.

CHAPTER II

A REVIEW OF RELATED LITERATURE

LITERATURE RELATED TO PROJECTIVE TECHNIQUES

A brief review of the literature on projective techniques is appropriate in this study since the CAT, one of the newer projective methods, forms part of the experimental design of this study. Bellak defines the projective method as "a method of investigating personality by studying the dynamic meaningfulness of the individual differences in perception of standard stimuli."¹ In answer to the question of what is characteristic of projective procedures proper, Rapaport declares, "They are procedures in which the subject actively and spontaneously structures unstructured material, and in so doing reveals his structuring principles which are the principles of his psychological structure."²

The history of projective techniques dates back many years and the literature in this field is too extensive to be covered in this study. There have been several reviews of literature, devoted to projective techniques, which summarize the most important work in this field. In an omnibus article by Lindzey,³ emphasizing the relation of projective testing to the

1. Bellak, L., and Bellak, S., Children's Apperception Test. New York: C.P.S. Co., 1949, p. 1.

2. Rapaport, D., Diagnostic Psychological Testing, Chicago: The New Year Book Publishers, Inc., 1946, Vol. II, p. 7.

3. Lindzey, G., Thematic Apperception Test: Interpretive Assumptions And Related Empirical Evidence, Psych. Bull. Jan. 1952 Vol. 49, #1 p. 2-15.

remainder of psychology, an attempt is made to fortify some of the assumptions upon which projective techniques are based and analyzed by reviewing some of the pertinent research. A total of 84 articles dealing with such subjects as the TAT analysis, the effect of various a priori stimuli on the responses of subjects to projective tests, the concept of projection, the Rorschach test, the problems of norms in projective methods, etc. are cited in this paper. The author asserts the major assumption upon which apperceptive tests are based, i. e. that projection occurs. He states that the assumption that the individual reveals his own dispositions and conflicts in completing an unstructured situation has been verified by a host of experimental research. Those assumptions concerned with methods for determining diagnostically important patterns of the responses and those involved in relating significant portions of the responses to other forms of behavior were also discussed and analyzed with respect to research findings. Another review of the literature on projective techniques is to be found in a study by Radke.¹ The clinical literature, semi-experimental literature, and experimental literature in this field are covered.

1. Radke, M. J., The Relation of Parental Authority to Children's Behavior and Attitudes, Minneapolis: The University of Minnesota Press, 1946.

1.

In a paper by Bellak dealing with the concept of projection, the evolution of this concept is discussed. A summary of experimental studies which have been done in an attempt to verify Freud's original definition of projection, appears in this paper. Bellak attempts to re-state basic psychoanalytic concepts in terms of apperceptive distortion and the Gestalt theory of learning. A comprehensive review of literature in this field is found also in Symonds' book, ADOLESCENT FANTASY,²

which introduces the Symonds Picture-Story Test, a projective test which was designed for adolescents. In a study which investigated the reactions of physically handicapped children to the Symonds Picture-Story Test, the usefulness of the instrument in psychological diagnosis was appraised. A modified form of the test was given to 30 crippled children. An analysis of the responses revealed that "... the Symonds Picture Story Test is an efficacious device in revealing those, from among a group of handicapped children, who are extremely maladjusted. It may be concluded that the Symonds Test can be gainfully used with handicapped children to uncover significant dynamics of behavior and adjustment."³

1. Bellak, L., On The Problems of The Concept of Projection, in Abt, L., and Bellak, L., editors, Projective Psychology: Clinical Approaches To The Total Personality, New York: Alfred A. Knopf, 1950, p. 7-31.

2. Symonds, P., Adolescent Fantasy, New York: Columbia University Press, 1949.

3. Broda, D. C., Izard, C. E., and Cruikshank, W. M. Thematic Apperception Reactions of Crippled Children, Jnl. Clin. Psych., Vol. 6, 1950, p. 247.

1. In a paper by Bellak dealing with the concept of projection, the evolution of this concept is discussed. A summary of experimental studies which have been done in an attempt to verify Freud's original definition of projection, appears in this paper. Bellak attempts to re-state basic psychoanalytic concepts in terms of apperceptive distortion and the Gestalt theory of learning. A comprehensive review of literature in this field is found also in Symonds' book, ADOLESCENT FANTASY, which introduces the Symonds Picture-Story Test, a projective test which was designed for adolescents. In a study which investigated the reactions of physically handicapped children to the Symonds Picture-Story Test, the usefulness of the instrument in psychological diagnosis was appraised. A modified form of the test was given to 30 crippled children. An analysis of the responses revealed that "... the Symonds Picture Story Test is an efficacious device in revealing those, from among a group of handicapped children, who are extremely maladjusted. It may be concluded that the Symonds Test can be gainfully used with handicapped children to uncover significant dynamics of behavior and adjustment."

1. Bellak, L., On The Problems of The Concept of Projection, in Act, L., and Bellak, L., editors, Projective Psychology: Clinical Approaches To The Total Personality, New York: Alfred A. Knopf, 1950, p. 7-31.

2. Symonds, P., Adolescent Fantasy, New York: Columbia University Press, 1949.

3. Broda, D. C., Izard, C. E., and Grunkebank, W. M. Thematic Apperception Reactions of Crippled Children, J. Clin. Psychol., Vol. 8, 1950, p. 24V.

The forerunner of the CAT was the TAT which was introduced in an article by Morgan and Murray¹. in 1935. It was based on the assumption that an individual presented with picture stimuli and requested to tell stories about them, tends to project his own past experiences. These projections contain themes related to the personality of the story teller. This test was later elaborated by Murray and has become a standard instrument in clinical psychology. Eron, Terry and Callahan². devised a five point rating scale to determine the emotional tone of TAT stories. The three judges studied the stories of twenty-five male and twenty-five female students and three scales were developed. The stories of fifty other students, half male and half female were then rated in accordance with the devised scales. The two thousand stories of the entire sample were then pooled in a study of the stimulus value of the TAT cards. The findings indicate that each card has a stimulus value of its own which largely determines the emotional tones of the stories told. The authors feel that the "picture pull" of the cards should be taken into consideration before attributing significance to the quality of the feeling invested by the

1. Morgan, E., and Murray, H. A. A Method For Investigating Phantasies; The Thematic Apperception Test, Arch. Neur. and Psych. 1935, Vol. 34, p. 289-306.

2. Eron, D. D., Terry, D. and Callahan, H., The Use Of Rating Scales for Emotional Tone of TAT Stories. Jr. of Cons. Psych., 1950, Vol. 14, p. 473-478.

narrator in his stories. The fantasies produced in response to the TAT vary with age, has been shown in a study by Balken and Vander Verr.¹ They indicate that young children tend to enumerate items in a picture rather than to tell a story. The projected material is less closely attached to definite objects, situations or people. Children seem to give greater emphasis to sensation and erotic feeling and are less concerned with assertion and protection of the self. Children under ten do not seem to be concerned with moral issues and the association between hostility and guilt is not clearly defined on the TAT.

The CAT is a new test which was devised by Bellak and Bellak and copyrighted in 1949. It was designed to meet a need for a tool which would investigate the dynamic problems and fantasy of children between the ages of three and ten. It derives directly from the TAT, but differs from the TAT in that the CAT depicts animals rather than humans, in situations designed to elicit dynamic responses. Animals rather than humans were utilized, because psychoanalytic research has shown that children will frequently identify more readily with animals than with humans. The first research on the CAT was described in an article by Bellak and Bellak.² They administered the CAT to one hundred

1. Balkan, E. and Vender Verr, M., The Clinical Application of the Thematic Apperception Test to Neurotic Children. Amer. Jr. of Orthopsy. Vol. 14, 1944, p. 439.

2. Bellak, L., and Bellak, S., Introductory Note on the CAT. Jr. of Proj. Tech., Vol. 14, #. 2, June 1950.

narrator in his stories. The fantasies produced in response to
 the TAT vary with age, has been shown in a study by Balke and
 Vander Veer.¹ They indicate that young children tend to enumer-
 ate items in a picture rather than to tell a story. The pro-
 jected material is less closely attached to definite objects,
 situations or people. Children seem to give greater emphasis
 to sensation and exotic feeling and are less concerned with
 assertion and protection of the self. Children under ten do not
 seem to be concerned with moral issues and the association be-
 tween hostility and guilt is not clearly defined on the TAT.
 The CAT is a new test which was devised by Balke and Belak
 and copyrighted in 1949. It was designed to meet a need for a
 tool which would investigate the dynamic problems and fantasy of
 children between the ages of three and ten. It derives directly
 from the TAT, but differs from the TAT in that the CAT depicts
 animals rather than humans, in situations designed to elicit
 dynamic responses. Animals rather than humans were utilized,
 because psychoanalytic research has shown that children will
 frequently identify more readily with animals than with humans.
 The first research on the CAT was described in an article by
 Balke and Belak.² They administered the CAT to one hundred

1. Balke, E. and Vander Veer, M., The Clinical Application of
 the Thematic Apperception Test to Neurotic Children, Amer. J.
 of Orthopsych., Vol. 14, 1944, p. 439.

2. Balke, E. and Belak, S., Introductory Note on the CAT,
 J. of Proj. Tech., Vol. 14, #2, June 1950.

children between the ages of three and ten. An attempt was made to determine the types of themes and the problem areas explored by each picture. The manual for the CAT^{1.} gives a history of the test, methods of administration and interpretation, and sample responses for each picture. Norms are in the process of being established and little research has been published to date.

Reports of unpublished studies using the CAT can be found in the TAT NEWSLETTER.^{2.}

Among the studies reported in the TAT NEWSLETTER^{3.} is one by Fisher dealing with the possible discrepancies between dynamic CAT content and manifest behavior. The NEWS-

LETTER also reports a study by Kaake^{4.} on the relationship between intelligence level and responses to the CAT. In a

dissertation by Simon reported in the TAT NEWSLETTER,^{5.} the author attempted to evaluate the usefulness of the test as a whole, as regards each individual picture. She felt that the test lent itself to the study of developmental differences in children.

1. Bellak, L., and Bellak, S., Children's Apperception Test. New York: CPS. Co., 1949

2. TAT NEWSLETTER, Jr. of Proj. Tech.

3. Ibid, Vol. 5, #3, Winter 1951, p. 1.

4. Ibid, Vol. 5, #3, Winter 1951, p. 1.

5. Ibid, Vol. 7, #4, December 1953, p. 2.

children between the ages of three and ten. An attempt was made to determine the types of themes and the problem areas explored by each picture. The manual for the CAT gives a history of the test, methods of administration and interpretation, and sample responses for each picture. Norms are in the process of being established and little research has been published to date. Reports of unpublished studies using the CAT can be found in the TAT NEWSLETTER. Among the studies reported in the TAT NEWSLETTER is one by Fisher dealing with the possible discrepancies between dynamic CAT content and manifest behavior. The NEWSLETTER also reports a study by Kake on the relationship between intelligence level and responses to the CAT. In a dissertation by Simon reported in the TAT NEWSLETTER, the author attempted to evaluate the usefulness of the test as a whole, as regards each individual picture. She felt that the test lent itself to the study of developmental differences in children.

1. Bellak, L., and Bellak, S., Children's Apperception Test. New York: CPS. Co., 1949.
2. TAT NEWSLETTER, Jr. of Proj. Tech.
3. Ibid, Vol. 2, #3, Winter 1951, p. 1.
4. Ibid, Vol. 2, #3, Winter 1951, p. 1.
5. Ibid, Vol. 7, #4, December 1953, p. 2.

LITERATURE RELATED TO THE EMOTIONAL CONCOMITANTS OF SPEECH

Although authorities in the field of speech are agreed that the emotional life of the child bears a relationship to the speech handicap, experimental studies investigating this relationship are not extensive. A brief survey of the available articles dealing with the subject is appropriate in this study, which is concerned with the relationship of the emotional life of the child to functional articulation disorders. The studies reported are agreed in the opinion that emotional factors influence speech. The need for understanding multiple aspects of the speech handicapped, particularly the relationship of social maturity and personality to the speech and hearing problem, has been emphasized by Myklebust.¹ He suggests the increased use of clinical psychological screening techniques by audiologists and speech therapists for a more comprehensive understanding of the problems of speech and hearing handicaps. The usefulness of such techniques for prognosis and evaluation of speech therapy was indicated by Shames,² in a study investigating speech and social adequacy of twenty-seven adult male stutterers, two voice cases, four articulation cases and four cleft palate cases. Techniques such as the Guilford-Martin Inventory of Factors

1. Myklebust, H., The Use of Clinical Psychological Screening Techniques by Audiologists and Speech Pathologists, JSHD, 1950 Vol. 15, p. 129-131.

2. Shames, G., An Investigation of Prognosis and Evaluation in Speech Therapy, JSHD, 1952, Vol. 17, p. 386-392

LITERATURE RELATED TO THE EMOTIONAL CONCOMITANTS OF SPEECH

Although authorities in the field of speech are agreed that the emotional life of the child bears a relationship to the speech handicap, experimental studies investigating this relationship are not extensive. A brief survey of the available articles dealing with the subject is appropriate in this study, which is concerned with the relationship of the emotional life of the child to functional articulation disorders. The studies reported are agreed in the opinion that emotional factors influence speech. The need for understanding multiple aspects of the speech handicap, particularly the relationship of social maturity and personality to the speech and hearing problem, has been emphasized by Myklebust.¹ He suggests the increased use of clinical psychological screening techniques by audiologists and speech therapists for a more comprehensive understanding of the problems of speech and hearing handicaps. The usefulness of such techniques for prognosis and evaluation of speech therapy was indicated by Shames,² in a study investigating speech and social adequacy of twenty-seven adult male stutterers, two voice cases, four articulation cases and four cleft palate cases. Techniques such as the Gillford-Martin Inventory of Factors

1. Myklebust, H., The Use of Clinical Psychological Screening Techniques by Audiologists and Speech Pathologists, JSHD, 1950 Vol. 15, p. 129-131.

2. Shames, G., An Investigation of Prognosis and Evaluation in Speech Therapy, JSHD, 1952, Vol. 17, p. 380-392

STDCR and Rorschach test were utilized. Among those factors found to be tentatively related to lack of clinical improvement were introversion, "little happy-go-luckiness", the absence of color balance signs from the Rorschach and the avoidance of social contact.

That speech disturbances are partial expressions of social attitudes and personality is attested to by Faust^{1.} in a study which investigated speech disturbances and personality formation. He reported that the social attitudes related to speech disturbances represent a syndrome series which range from egocentrism to strong social effectiveness. Dramatic examples of the effect of psychological factors upon speech were reported in a study by Spieler,^{2.} which investigated the voluntary silence and fear of speech in forty-three children. Each of the children used in the study had a normal speech development but suffered from long periods of almost complete speechlessness. Practically all had suffered from some severe physical or emotional trauma which precipitated the attack of speechlessness. Two illustrative cases were cited. One child spoke freely to children when alone with them but would not speak in the presence of an adult. The other child never spoke at all. The refusal to speak was considered a means whereby the child symbolically escaped from the social

1. Faust, F., Sprachstörung & Persönlichkeitsbildung (Speech Disturbances & Personality Formation,) Allg. Z. Psychiat., 1940, Vol. 115, p. 105-113, (Psych. Abstracts, 1942, Vol. 16, p. 120).

2. Spieler, J., Freiwillige Schweiger und Sprachscheue Kinder (Voluntary Silence and Fear of Speech in Children), Z. Kinderforsch 1941, Vol. 49, p. 39-43, (Psych Abstracts, 1942, Vol. 16, p. 524.)

STOCK and Horvath test were utilized. Among those factors found to be tentatively related to lack of clinical improvement were introversion, "little happy-go-luckiness", the absence of color balance signs from the Horvath and the avoidance of social contact.

That speech disturbances are partial expressions of social attitudes and personality is attested to by Faust in a study which investigated speech disturbances and personality formation. He reported that the social attitudes related to speech disturbances represent a syndrome series which range from egocentrism to strong social affectiveness. Dramatic examples of the effect of psychological factors upon speech were reported in a study by Spierer, which investigated the voluntary silence and fear of speech in forty-three children. Each of the children used in the study had a normal speech development but suffered from long periods of almost complete speechlessness. Practically all had suffered from some severe physical or emotional trauma which precipitated the attack of speechlessness. Two illustrative cases were cited. One child spoke freely to children when alone with them but would not speak in the presence of an adult. The other child never spoke at all. The refusal to speak was considered a means whereby the child symbolically escaped from the social

1. Faust, F., Sprachstörungen & Persönlichkeitsbildung (Speech Disturbances & Personality Formation), Allg. Z. Psychiatrie, 1940, Vol. 113, p. 107-113, (Psych. Abstracts, 1942, Vol. 10, p. 120).
2. Spierer, J., Freiwillige Stille und Sprachstörung bei Kindern (Voluntary Silence and Fear of Speech in Children), Z. Kinderpsychiatrie, 1941, Vol. 49, p. 39-43, (Psych. Abstracts, 1942, Vol. 10, p. 52).

world which had proved too terrifying for him. In a study by Becky¹, investigating factors related to the retardation of speech the importance of emotional factors was stressed, and further investigation of these factors was recommended.

Stuttering is a speech problem which analytically oriented therapists look upon as a symptom of an anxiety neurosis. In an article relating psychiatric factors to speech correction, Moskowitz² cites several cases of stuttering which have responded to psychoanalytic treatment. Vocal defects such as infantalism, speech changes due to psycho-sexual defects, and hoarseness were brought to the attention of the psychiatrist. Since stuttering is believed to have a psychological foundation, researchers in this field have utilized projective techniques, as a means of diagnosing personality characteristics of stuttering. The TAT is one of the projective instruments which has been used to assess personality characteristics of stutterers. In a study by Richardson³, comparing the personality of stutterers and non-stutterers, a battery of projective tests were used, among which was the TAT. This study failed to reveal significant differences between the two groups on TAT responses.

1. Becky, R.D., A Study of Certain Factors Relating to the retardation of Speech. JSHD, 1942, Vol. 7, p. 223-249.

2. Moskowitz, H., Psychiatric Factors in Speech Correction, Quart. J. Speech, 1941, Vol. 27, p. 537-541.

3. Richardson, L. H., A Personality Study of Stutterers and Non-stutterers, JHDS, June, 1952, Vol. 9, p. 152-160.

world which had proved too terrifying for him. In a study by Becky¹, investigating factors related to the restoration of speech the importance of emotional factors was stressed, and further investigation of these factors was recommended. Stuttering is a speech problem which analytically oriented therapists look upon as a symptom of an anxiety neurosis. In an article relating psychiatric factors to speech correction, Moskowitz² cites several cases of stuttering which have responded to psychoanalytic treatment. Vocal defects such as infantalism, speech changes due to psycho-sexual defects, and hoarseness were brought to the attention of the psychiatrist. Since stuttering is believed to have a psychological foundation, researchers in this field have utilized projective techniques as a means of diagnosing personality characteristics of stuttering. The TAT is one of the projective instruments which has been used to assess personality characteristics of stutterers. In a study by Richardson³, comparing the personality of stutterers and non-stutterers, a battery of projective tests were used, among which was the TAT. This study failed to reveal significant differences between the two groups on TAT responses.

1. Becky, R.D., A Study of Certain Factors Related to the Restoration of Speech, JABD, 1942, Vol. 7, p. 222-242.
2. Moskowitz, R., Psychiatric Factors in Speech Correction, Quart. J. Speech, 1941, Vol. 27, p. 537-541.
3. Richardson, I. R., A Personality Study of Stutterers and Non-stutterers, JABD, June, 1952, Vol. 9, p. 152-160.

A second projective method which has been used with stutterers is the Rosenzweig Picture Frustration Test. In a study by Norman and Madison¹, comparing the performances of stutterers and non-stutterers, it was found that the stutterers differed from the normative group in three test categories. The stutterers lacked extrapunitive expression, gave a lower number of responses on obstacle dominance, and had a higher frequency of intro-punitive responses. The authors felt that these differences lent support to the psychoanalytic view that the stutterer is unable to express his aggression outwardly and that the repressed aggression is turned inwards with enhanced severity. This study was repeated by Quarrington,² using a more carefully selected sample. He failed to find the same differences revealed in the previous study. The Rorschach test is another projective instrument used to explore the problem of stuttering. In comparing the responses of stuttering and non-stuttering children to the Rorschach, Meltzer³ found that the "neuroticism" of stutterers assumes an expressive rather than

1. Norman, R. D. & Madison, L., A Comparison of the Performance of Stutterers and Non-stutterers on the Rosenzweig Picture-Frustration Study. Jr. of Clin. Psych. April, 1952, Vol. 8, p. 179-183.

2. Quarrington, B., A Comparison of the Performance of Stutterers and Non-stutterers on the Rosenzweig Picture-Frustration Test, Jr. Clin. Psych., April, 1953, Vol. 9, p. 2.

3. Meltzer, H., Personality Differences Between Stutters & Non-stuttering Children by the Rorschach Test. Jr. of Psych. Jan., 1944, Vol. 12, p. 39-50.

A second projective method which has been used with stutters is the Rosenzweig Picture Frustration Test. In a study by Norman and Madison¹, comparing the performances of stutters and non-stutters, it was found that the stutters differed from the normative group in three test categories. The stutters lacked extrapolative expression, gave a lower number of responses on obstacle dominance, and had a higher frequency of intro-
 pensive responses. The authors felt that these differences lent support to the psychoanalytic view that the stutter is unable to express his aggression outwardly and that the repressed aggression is turned inwards with enhanced severity. This study was repeated by Quarington,² using a more carefully selected sample. He failed to find the same differences revealed in the previous study. The Rorschach test is another projective instrument used to explore the problem of stuttering. In comparing the responses of stuttering and non-stuttering children to the Rorschach, Meltzer³ found that the "neuroticism" of stutters assumes an expressive rather than

1. Norman, R. D. & Madison, L., A Comparison of the Performance of Stutters and Non-stutters on the Rosenzweig Picture-Frustration Study, Jr. Clin. Psych., April, 1932, Vol. 8, p. 179-183.

2. Quarington, R., A Comparison of the Performance of Stuttering and Non-stuttering Children on the Rosenzweig Picture-Frustration Test, Jr. Clin. Psych., April, 1932, Vol. 9, p. 2.

3. Meltzer, H., Personality Differences Between Stutters & Non-stuttering Children by the Rorschach Test, Jr. of Psych. Jan., 1944, Vol. 12, p. 39-50.

a repressive form. In another comparative study of the same type, Meltzer¹ reported that in general, emotional instability was more characteristic of the stuttering group.

From the foregoing reports, it appears evident that projective tests are valuable tools for gaining insight into emotional problems, and that the emotional life of the child is related to his speech problem. The present study attempts to utilize a projective test in evaluating the relationship of the emotional life of the child to functional articulation disorders.

CHAPTER III

METHODS, TECHNIQUES, AND PROCEDURES

1. Meltzer, H. Personality Differences Among Stutterers as Indicated by the Rorschach Test. Amer. Journal of Ortho. July, 1934, Vol. 4, p. 268-262.

a representative form. In another comparative study of the same type, Kellner¹ reported that in general, emotional instability was more characteristic of the stuttering group. From the foregoing reports, it appears evident that projective tests are valuable tools for gaining insight into emotional problems, and that the emotional life of the child is related to his speech problem. The present study attempts to utilize a projective test in evaluating the relationship of the emotional life of the child to functional articulation disorders.

1. Kellner, H. Personality Differences Among Stutterers as Indicated by the Rorschach Test. Amer. Journal of Ortho. July, 1934, Vol. 4, p. 288-292.

CHAPTER III

METHODS, TECHNIQUES, AND PROCEDURES

SELECTION OF SAMPLE

This study involves an analysis of the responses of forty children with normal speech and forty children with functional articulation disorders to the CAT, which will be described in this chapter. The children used in the study were made available by the Warwick, Rhode Island, School System and selected by the speech therapist of that system. The original sample consisted of one-hundred-fifty subjects and included seventy-five first grade children with normal speech and seventy-five first grade children with speech handicaps. All of the speech handicapped group were undergoing speech therapy at the time and had been diagnosed as having functional articulation disorders. Children with known organic disabilities were eliminated from the sample. Audiometric examinations were administered to the entire sample to assure the absence of hearing disabilities. An intelligence quotient was obtained for each subject from the Kuhlmann-Anderson Form A. Eleven testers administered the CAT to the entire one-hundred-fifty children. From these, the protocols of forty subjects with normal speech and forty subjects with functional articulation disorders were selected.

CHAPTER III

METHODS, TECHNIQUES, AND PROCEDURES

CHAPTER III

METHODS, TECHNIQUES, AND PROCEDURES

SELECTION OF SAMPLE

This study involves an analysis of the responses of forty children with normal speech and forty children with functional articulation disorders to the CAT, which will be described in this chapter. The children used in the study were made available by the Warwick, Rhode Island, School System and selected by the speech therapist of that system. The original sample consisted of one-hundred-fifty subjects and included seventy-five first grade children with normal speech and seventy-five first grade children with speech handicaps. All of the speech handicapped group were undergoing speech therapy at the time and had been diagnosed by the therapist as severe functional articulation cases. Children with known organic disabilities were eliminated from the sample. Audiometric examinations were administered to the entire sample to assure the absence of hearing disabilities. An intelligence quotient was obtained for each subject from the KUHLMANN-ANDERSON FORM A. Eleven testers administered the CAT to the entire one-hundred-fifty children. From these, the protocols of forty subjects with normal speech and forty subjects with functional articulation disorders were selected.

CHAPTER III

METHODS, TECHNIQUES, AND PROCEDURESSELECTION OF SAMPLE

This study involves an analysis of the responses of forty children with normal speech and forty children with functional articulation disorders to the CAT, which will be described in this chapter. The children used in the study were made available by the Warwick, Rhode Island, School System and selected by the speech therapist of that system. The original sample consisted of one-hundred-fifty subjects and included seventy-five first grade children with normal speech and seventy-five first grade children with speech handicaps. All of the speech handicapped group were undergoing speech therapy at the time and had been diagnosed by the therapist as severe functional articulation cases. Children with known organic disabilities were eliminated from the sample. Audiometric examinations were administered to the entire sample to assure the absence of hearing disabilities. An intelligence quotient was obtained for each subject from the KUHNMAN-ANDERSON FORM A. Eleven testers administered the CAT to the entire one-hundred-fifty children. From these, the protocols of forty subjects with normal speech and forty subjects with functional articulation disorders were selected.

CHAPTER III

TABLE I

<u>I.Q. RANGE</u>	<u>NO.OF NORMALS</u>	<u>AGE RANGE</u>	<u>NO.OF ARTICULATION CASES</u>	<u>AGE RANGE</u>
85 - 94	3	6-11 to 7-11	4	6-10 to 7-11
95 -104	11	6-4 to 7-7	12	6-3 to 7-6
105 -114	18	6-3 to 7-10	15	6-2 to 6-10
115 -124	8	6-2 to 6-7	9	6-2 to 6-7

The selection was made on the basis of sex, age, and I. Q. The subjects were matched for sex. Each group contained fifteen females and twenty-five males. Four sub-divisions were made arranging the subjects according to I. Q. and chronological age. The groups closely approximated each other in the number of subjects falling within each I. Q. range. There was no more than a two month variation in the ages of articulation cases and normal cases within any one of the sub-divisions. (See Table I)

ADMINISTRATION OF TEST

In order to standardize the administration of the test, each of the eleven testers was similarly oriented to the CAT. A sample test was administered and observed by all of the testers. Each of the children was tested individually, in a separate room. Several minutes prior to the administration of the test was devoted to establishing rapport with the subject. The test was introduced in a permissive and informal atmosphere and presented as a game in which the child would be shown some pictures and asked to tell stories about them. He was instructed to tell who was there, how they felt, and what was happening, or

CHAPTER III
TABLE I

I.Q. RANGE	NO. OF NORMALS	AGE RANGE	NO. OF ARTICULATION CASES	AGE RANGE
95 - 94	3	6-11 to 7-11	4	6-10 to 7-11
93 - 104	11	6-4 to 7-7	12	6-3 to 7-6
105 - 114	18	6-3 to 7-10	15	6-2 to 6-10
115 - 124	8	6-2 to 6-7	9	6-2 to 6-7

The selection was made on the basis of sex, age, and I. Q. The subjects were matched for sex. Each group contained fifteen females and twenty-five males. Four sub-divisions were made arranging the subjects according to I. Q. and chronological age. The groups closely approximated each other in the number of subjects falling within each I. Q. range. There was no more than a two month variation in the ages of articulation cases and normal cases within any one of the sub-divisions. (See Table I)

ADMINISTRATION OF TEST

In order to standardize the administration of the test, each of the eleven testers was similarly oriented to the CAT. A sample test was administered and observed by all of the testers. Each of the children was tested individually, in a separate room. Several minutes prior to the administration of the test was devoted to establishing rapport with the subject. The test was introduced in a permissive and informal atmosphere and presented as a game in which the child would be shown some pictures and asked to tell stories about them. He was instructed to tell who was there, how they felt, and what was happening, or

anything he wished to say about the pictures. If note taking was questioned, the tester was instructed to say, "Your stories are so nice that I should like to be able to read them again," or make a similar explanation. The tester was permitted to question the subject for the purpose of clarifying what had already been said, but never to suggest a story line. Each tester was instructed to write the child's responses verbatim.

DESCRIPTION OF TEST

The CAT is a projective test in which the child is called upon to relate stories suggested to him by picture stimuli. The test consists of a series of ten pictures depicting animals in various situations fundamental to the experiences of children, which, according to the test authors, "might conceivably be expected to expose the dynamic workings of a child's problems as against the manifest material available."¹. In the process of telling a story the subject tends to project; i.e. attribute to the figures in the story unconscious impulses, feelings, ideas, and attitudes which are fundamental to himself. According to Healy, Bronner, and Bowers². projection is a defense process whereby the subject thrusts forth on the external world his unconscious wishes and ideas. In doing so, the subject tends to

1. L. Bellak and S. Bellak, Children's Apperception Test. (New York; C.P.S. Co., 1952) p. 1.

2. Healy, W.; and Bronner, A., and Bowers, A. M. The Structure and Meaning of Psychoanalysis. New York, 1930, Knopf.

anything he wished to say about the pictures. If not talking was questioned, the tester was instructed to say, "Your stories are so nice that I should like to be able to read them again." or make a similar explanation. The tester was permitted to question the subject for the purpose of clarifying what had already been said, but never to suggest a story line. Each tester was instructed to write the child's responses verbatim.

DESCRIPTION OF TEST

The CAT is a projective test in which the child is called upon to relate stories suggested to him by picture stimuli. The test consists of a series of ten pictures depicting animals in various situations fundamental to the experiences of children, which, according to the test authors, "might conceivably be expected to expose the dynamic workings of a child's problems as against the manifest material available."¹ In the process of telling a story the subject tends to project, i.e., attribute to the figures in the story unconscious impulses, feelings, ideas, and attitudes which are fundamental to himself. According to Healy, Bronner, and Bowers² projection is a defense process whereby the subject thrusts forth on the external world his unconscious wishes and ideas. In doing so, the subject tends to

1. I. Bellak and S. Bellak, Children's Apperception Test. (New York: C. P. S. Co., 1952) p. 1.

2. Healy, W.; and Bronner, A., and Bowers, A. W. The Structure and Meaning of Psychoanalysis. New York, 1950, Knopf.

reveal his most important feelings and drives. The pictures of the CAT "were designed to elicit responses to feeding problems specifically, and oral problems generally; to investigate problems of sibling rivalry; to illuminate the attitude toward parental figures and the way in which these figures are apperceived; to learn about the child's relationship to the parents as a couple."¹.

EXPLANATION OF ANALYSIS AND APPROACH TO DATA

For the purpose of this study it was necessary to limit the scope of the analysis to an investigation of specific variables. The first factor to be analyzed was: Average number of words per protocol. It is possible that children with speech handicaps might be more reticent in verbal activities than children with normal speech. A study by Ruth Beckey² tends to support this view which has long been held by teacher and speech therapists.

The second factor to be analyzed was: Number and character of oral themes appearing in the stories. The importance of the oral stage of development in the life of the child has long been recognized by authorities in the field of psychology. According to White, "For the first six months or more it is fair to say that his (the child's) world revolves around hunger

1. Healy, W., and Bronner, A., and Bowers, A. M., The Structure and Meaning of Psychoanalysis. New York, 1930, Knopf.

2. Beckey, R. D., A Study Of Certain Factors Relating To The Retardation Of Speech. JSHD, Vol. 7, p. 223-249, 1942.

reveal his most important feelings and drives. The pictures of the CAT were designed to elicit responses to feeding problems specifically, and oral problems generally; to investigate problems of sibling rivalry; to illuminate the attitude toward parental figures and the way in which these figures are appraised; to learn about the child's relationship to the parents as a couple."

EXPLANATION OF ANALYSIS AND APPROACH TO DATA

For the purpose of this study it was necessary to limit the scope of the analysis to an investigation of specific variables. The first factor to be analyzed was: Average number of words per protocol. It is possible that children with speech handicaps might be more reticent in verbal activities than children with normal speech. A study by Ruth Beckey² tends to support this view which has long been held by teacher and speech therapists.

The second factor to be analyzed was: Number and character of oral themes appearing in the stories. The importance of the oral stage of development in the life of the child has long been recognized by authorities in the field of psychology. According to White, "For the first six months or more it is felt to say that his (the child's) world revolves around hunger

1. Healy, W., and Bronner, A., and Powers, A. W., The Structure and Meaning of Psychoanalysis. New York, 1930, Knopf.

2. Beckey, R. D., A Study of Certain Factors Relating to the Retardation of Speech. JSD, Vol. 7, p. 223-249, 1942.

and its satisfaction. In a healthy baby hunger is the outstanding pain and its relief, the outstanding satisfaction. The lips, mouth, and tongue are among the most sensitive regions of his body. Around the act of feeding cluster a great many secondary sources of pleasure; stimulation of the mouth; the pleasurable act of sucking and swallowing; being picked up and rocked and cuddled."¹. Anna Freud has stated that oral acts become invested with psychological meaning. "The function of eating serves primarily the biological bodily need for nourishment and operates in agreement with the Id forces and Ego forces which are jointly directed towards the self-preservation of the individual. The function of eating, as such, lies, therefore, outside the sphere of psychological conflict. Eating may, on the other hand, become invested with sexual and aggressive meaning and, thereby, secondarily, become the symbolic representative of Id forces which are opposed by the Ego."². Schilder has said that "What holds for intake of nourishment may serve also as a pattern for possession-relationships to the human environment."³. In speaking of the various forms of infantile aggression

1. White, R. W., The Abnormal Personality. New York: The Ronald Press Company, 1948, p. 112.

2. Freud, A., The Function of Orality. The Psycho-Analytic Study of the Child. New York: International Universities Press, Inc., 1946, Vol. 2, p. 120.

3. Schilder, P., Medical Psychology. New York: International Universities Press, Inc., 1953, p. 174.

and the third question. In a positive reply to the first question, the author states that the emotional reaction of the individual is not only a result of the situation, but also of the individual's own state of mind. The author then discusses the various factors that influence the emotional reaction of the individual, such as the individual's personality, the individual's past experiences, and the individual's current state of mind. The author concludes that the emotional reaction of the individual is a complex phenomenon that is influenced by many factors, and that it is not possible to predict the emotional reaction of the individual with any degree of accuracy.

1. The author states that the emotional reaction of the individual is a complex phenomenon that is influenced by many factors, and that it is not possible to predict the emotional reaction of the individual with any degree of accuracy.
2. The author discusses the various factors that influence the emotional reaction of the individual, such as the individual's personality, the individual's past experiences, and the individual's current state of mind.
3. The author concludes that the emotional reaction of the individual is a complex phenomenon that is influenced by many factors, and that it is not possible to predict the emotional reaction of the individual with any degree of accuracy.

Symonds tells us that "many persist throughout life and may easily be recognized. The mouth is probably the first aggressive instrument and is used for aggressive purposes throughout life by biting, spitting, pouting, vomiting, or making noises of contempt".¹ These problems of orality may be revealed in the fantasy life of the individual. In discussing problems of orality revealed in fantasy, Fenichel maintains that "Oral-sadistic fantasies, reconstructed in the analysis of orally fixated patients, and sometimes manifest in orally oriented psychosis, are so fantastic that certain authors are even of the opinion that real experiences are not at all important for their formation. Actually, however, these "fantasies" express the way in which an undeveloped archaic ego perceives (and misunderstands) a frustrating reality".² These themes are also present to a great extent in the fantasies and day dreams of children. In comparing the fantasies of the insecure child and the secure child, Griffiths³ tells us that astonishing differences are apparent. Particularly outstanding is the fact that the main trends in the fantasies of the insecure child, "is an aggressive one, mutilation and other cruelty ideas, especially oral perception of parental hostility directed toward himself."

1. Symonds, P., The Dynamics of Human Adjustment. New York: Appleton-Century-Crofts, Inc., 1946, p. 101.

2. Fenichel, O., The Psycho-Analytic Theory of Neurosis. New York: W. W. Norton & Co., Inc., 1945, p. 64.

3. Griffiths, R., A Study of Imagination in Early Childhood. Routledge and Kegan Paul, Ltd., 1949. p. 295.

incorporation being extremely frequent..."¹. She goes on to say, "In several places we have noticed descriptions by the children of creatures devouring each other in the fantasies. There are many examples of such imagery, especially where there is friction among the parents or older members of the family."

The fact that there is a relationship between these problems of orality and speech disturbances is attested to by Symonds "Speech disturbances belong to the same general group of anxious reactions. On the one hand, delayed speech would seem to be a repression of vocal activity, and has an obvious relationship, although several steps removed, to disturbances in early nursing operations."². Therefore, it is possible that the number and character of oral themes present in the protocols of speech handicapped children would differ from those of children with normal speech.

The final variables considered in this study were themes dealing with aggression and hostility occurring within the child parent relationship. These were broken down into two categories: Number of themes expressing child's hostility directed toward parental figures, and Number of themes dealing with the child's perception of parental hostility directed toward himself.

1. Griffiths, R., A Study of Imagination in Early Childhood; London; Routledge and Kegan Paul, Ltd. 1949, p. 309.

2. Symonds, P., The Dynamics of Human Adjustment. New York: Appleton-Century-Crofts, Inc., 1946, p. 184.

incorporation being extremely frequent...". She goes on to say, "In several places we have noticed descriptions by the children of creatures devouring each other in the fantasies. There are many examples of such imagery, especially where there is

friction among the parents or other members of the family." The fact that there is a relationship between these prob-

lems of orality and speech disturbances is attested to by Symonds. "Speech disturbances belong to the same general group

of anxious reactions. On the one hand, delayed speech would seem to be a repression of vocal activity, and has an obvious relationship, although several steps removed, to disturbances in early nursing operations." Therefore, it is possible that the number and character of oral themes present in the protocols of speech handicapped children would differ from those of children with normal speech.

The final variables considered in this study were themes dealing with aggression and hostility occurring within the child parent relationship. These were broken down into two categories: Number of themes expressing child's hostility directed toward parental figures, and Number of themes dealing with the child's perception of parental hostility directed toward himself.

1. Gilliland, R., A Study of Imagination in Early Childhood; London: Routledge and Kegan Paul, Ltd., 1949, p. 303.
 2. Symonds, P., The Dynamics of Human Adjustment. New York: Appleton-Century-Crofts, Inc., 1946, p. 184.

The role of the home in the formation of the child's character is exceedingly great. During the early home life many basic personality attitudes and traits are developed. In a review of literature on parent-child relationships by Radke^{1.} studies dealing with the importance of the relationship are extensively covered. The studies tend to verify the importance of the relationship in the formation of character. Radke reports a study by Karlin dealing with neurotic children in which the case reports "showed a predominance of marital discord, parental neuroticism, faulty discipline, and unwholesome parent-child relationships."^{2.} The pictures of the CAT are structured to elicit responses pertinent to the parent-child relationship. In a study by Congalton reported in the TAT Newsletter, it was maintained that, "the tensions in the life of the four-year old are largely the result of the inter-familial relationships as they appear to the child. In accordance with projective theory the child should reveal these difficulties in a projective test such as the CAT and it is felt that it is possible to score the stories given in response to the cards so that the relevant family interpersonal relationships as they appear to the child are obvious to the tester."^{3.} Many of these tensions

1. Radke, M. J., The Relation of Parental Authority to Children's Behavior & Attitudes. Minneapolis: The University of Minnesota Press, 1946.

2. Ibid, p. 6.

3. Congalton, E. S., The TAT Newsletter, Jr. of Proj. Tech., 1953, Vol. 7, pp. 1-2.

The role of the home in the formation of the child's character is exceedingly great. During the early home life many basic personality attitudes and traits are developed. In a review of literature on parent-child relationships by Radke studies dealing with the importance of the relationship are extensively covered. The studies tend to verify the importance of the relationship in the formation of character. Radke reports a study by Karlin dealing with neurotic children in which the case reports "showed a predominance of marital discord, parental neuroticism, faulty discipline, and unwholesome parent-child relationships." The pictures of the CAT are structured to elicit responses pertinent to the parent-child relationship. In a study by Congalton reported in the TAT Newsletter, it was maintained that, "the tensions in the life of the four-year old are largely the result of the inter-familial relationships as they appear to the child. In accordance with projective theory the child should reveal these difficulties in a projective test such as the CAT and it is felt that it is possible to score the stories given in response to the cards so that the relevant family interpersonal relationships as they appear to the child are obvious to the tester." Many of these tensions

1. Radke, M. J., The Relation of Parental Authority to Children's Behavior & Attitudes. Minneapolis: The University of Minnesota Press, 1940.

2. Ibid, p. 6.

3. Congalton, E. S., The TAT Newsletter, Jr. of Proj. Tech., 1953, Vol. 7, pp. 1-2.

that arise within the family constellation manifest themselves in the expression of aggression. If the child feels insecure he may react with aggression. Symonds tells us that "children sometimes show aggression towards others because of their intense need to be loved ... A child has a need to repress his hostility in order not to lose his parents' love. But the repressed hostility arouses guilt, and the guilt leads to a need for punishment and if the punishment is not forthcoming then the child must be more aggressive in order to bring it on himself."¹ In fantasy, the attribution of hostile attitudes to parental figures may serve to satisfy this need for punishment, which arises out of the child's insecurity. It also follows that aggressive behavior on the part of the child directs towards the parents as revealed in the protocols are indicative of the strain within the family. It has been suggested in the literature² that parental tension might give rise to various emotional conflicts producing speech problems. If this is so, it is possible that the number of themes dealing with hostility toward the parents and the perception of the parents as hostile figures would differ within the two groups.

-
1. Symonds, P., op cit., (Dynamics of Human Behavior) p. 538.
 2. Becky, R. D., A Study of Certain Factors Relating to the Retardation of Speech. JSHD, 1942, Vol. 7, p. 223-249.

1. Byrd, R. and Witherspoon, R. L., The TAT Newsletter, J. Proj. Tech. 1955, Vol. 7, p. 1.

that arise within the family constellation manifest themselves in the expression of aggression. If the child feels insecure he may react with aggression. Symonds tells us that "children sometimes show aggression towards others because of their intense need to be loved. . . . A child has a need to repress his hostility in order not to lose his parents' love. But the repressed hostility arouses guilt, and the guilt leads to a need for punishment and if the punishment is not forthcoming then the child must be more aggressive in order to bring it on himself." In fantasy, the attribution of hostile attitudes to parental figures may serve to satisfy this need for punishment, which arises out of the child's insecurity. It also follows that aggressive behavior on the part of the child directs towards the parents as revealed in the protocols are indicative of the strain within the family. It has been suggested in the literature² that parental tension might give rise to various emotional conflicts producing speech problems. If this is so, it is possible that the number of themes dealing with hostility towards the parents and the perception of the parents as hostile figures would differ within the two groups.

1. Symonds, P., op cit., (Dynamics of Human Behavior) p. 538.
2. Becky, R. D., A Study of Certain Factors Relating to the Retardation of Speech. JSLP, 1942, Vol. V, p. 223-240.

The selection of these variables: The average number of words per protocol, number and character of oral themes, number of themes expressing hostility toward parental figures, number of themes expressing the child's perception of parental hostility directed toward himself, was supported by a study done by Byrd and Witherspoon. They discovered that "When judged by frequency and intensity, the dynamics of parental relationship, aggression, and orality appear to be more adequately explored by the CAT at this age level than do sibling rivalry, fears, and sexuality."¹.

TREATMENT OF VARIABLES

AVERAGE NUMBER OF WORDS PER PROTOCOL: An objective measure was used in an effort to determine whether the verbal output of children with functional articulation disorders differed from that of children with normal speech. Each of the words recorded by the tester in the protocols was counted. The statistical procedures of Chi Square was applied to discover if significant differences between the two groups occurred.

THE NUMBER AND CHARACTER OF ORAL THEMES: A rating scale was devised in an effort to determine whether the number and character of oral themes differed in the two groups. A count of one was given to socially acceptable oral acts, such as social eating

1. Byrd, E. and Witherspoon, R. L., The TAT Newsletter, J. Proj. Tech. 1953, Vol. 7, p. 1.

and smoking. For example: "Chickees feel nice because they have have some spaghetti to eat."¹ "Tiger sits in the chair. He's

smoking a pipe."² Themes of oral aggression were given a count of two or three, dependent upon the intensity of the response.

A count of two was given to themes such as, "The father lion eats up the mouse and then he thinks who else he can eat for dinner."³

A count of three was given to overly aggressive oral themes such as "Tiger been hiding behind tree and man walked by and tiger has sharp teeth and grab. Tiger got sharp teeth and claws. Tiger eats man, bites him all up and then the tiger goes after the monkey."⁴.

Each story was rated according to the above criteria. The Chi Square test was applied to determine the differences in the two groups with respect to oral aggression.

THE NUMBER OF THEMES EXPRESSING HOSTILITY TOWARD PARENTAL

FIGURES: A count was made of stories in which hostility towards the parents was expressed. For Example: "The little bear got an idea, he'll push the father, and the father will fall down the rock and hurt himself. The little bear was walking and he wanted to pound the father on the head."⁵.

-
- | | | |
|----|----------------|------------------------------------|
| 1. | See Appendix A | - Articulation Girls, Protocol 10. |
| 2. | " " | " - Normal Girls, " 5. |
| 3. | " " | " - Normal Boys, " 15. |
| 4. | " " | " - Articulation Boys, " 1. |
| 5. | " " | " " " 3. |

1. See Appendix A. Normal Boys, Protocol 12.

The Chi Square test of significance was applied to this material.

THE NUMBER OF THEMES EXPRESSING THE CHILD'S PERCEPTION OF
PARENTAL HOSTILITY DIRECTED TOWARD HIMSELF:

In order to determine whether differences existed in the two groups regarding the child's perception of parental hostility directed toward himself, a count was made of the stories in which this feeling was expressed. For example: " The mother spanked him hard and he went out to play and he caught a little rabbit and ate it all up."¹.

An independent analysis of the data with respect to all four factors was made by each of the two authors. Neither of the analysts knew which of the protocols belonged to the articulation or the normal group. Where there was a difference of opinion, agreement was reached through discussion.

1. See Appendix A. Normal Boys, Protocol 12.

The Chi Square test of significance was applied to this material.

THE NUMBER OF THEMES EXPRESSING THE CHILD'S PERCEPTION OF

PARENTAL HOSTILITY DIRECTED TOWARD HIMSELF:

In order to determine whether differences existed in the two groups regarding the child's perception of parental hostility directed toward himself, a count was made of the stories in which this feeling was expressed. For example: "The mother spanked him hard and he went out to play and he caught a little rabbit and ate it all up."

An independent analysis of the data with respect to all four factors was made by each of the two authors. Neither of the analysts knew which of the protocols belonged to the articulation or the normal group. Where there was a difference of opinion, agreement was reached through discussion.

CHAPTER IV

RESULTS

STATEMENT OF THE PROBLEM

This pilot study investigates the responses to the CAT, of forty children with normal speech and forty children with functional articulation disorders. It attempts to analyze the verbal responses of the children with respect to the following variables: 1. Average number of words per protocol, 2. Number

and character of oral themes expressing hostility toward parental figures, 3. Number of themes expressing the child's perception of parental hostility directed toward himself.

TABLE I

TABULATION OF MEAN NUMBER OF WORDS PER PROTOCOL

<u>ARTICULATION CASES</u>			<u>NORMAL CASES</u>		
	<u>Boys</u>	<u>Girls</u>		<u>Boys</u>	<u>Girls</u>
1.	53.8	50.0	1.	57.4	57.9
2.	33.8	40.2	2.	56.8	54.3
3.	72.1	20.6	3.	68.3	110.4
4.	98.5	40.0	4.	62.7	57.8
5.	73.0	22.9	5.	42.3	71.1
6.	39.9	36.4	6.	25.3	90.8
7.	53.6	61.3	7.	99.1	44.3
8.	40.5	68.8	8.	67.9	77.9
9.	69.8	74.3	9.	50.8	43.0
10.	64.1	54.3	10.	52.9	33.1
11.	66.9	25.0	11.	60.6	37.1
12.	44.0	74.7	12.	59.3	40.1
13.	34.6	51.0	13.	98.2	151.1
14.	19.7	19.9	14.	121.6	82.6
15.	35.9	59.2	15.	42.3	133.4
16.	25.0		16.	36.7	
17.	33.4		17.	25.1	
18.	32.2		18.	20.6	
19.	57.3		19.	91.2	
20.	104.6		20.	114.3	

CHAPTER IV

RESULTS

CHAPTER IV

RESULTS

STATEMENT OF THE PROBLEM

This pilot study investigates the responses to the CAT, of forty children with normal speech and forty children with functional articulation disorders. It attempts to analyze the verbal responses of the children with respect to the following variables: 1. Average number of words per protocol, 2, Number and character of oral themes, 3. Number of themes expressing hostility toward parental figures, 4. Number of themes expressing the child's perception of parental hostility directed toward himself.

TABLE I

TABULATION OF MEAN NUMBER OF WORDS PER PROTOCOL

<u>ARTICULATION CASES</u>			<u>NORMAL CASES</u>		
	Boys	Girls		Boys	Girls
1.	53.2	50.0	1.	68.4	52.9
2.	33.8	40.2	2.	96.8	24.3
3.	72.1	20.6	3.	68.8	110.4
4.	95.5	40.0	4.	62.7	67.2
5.	73.0	22.9	5.	42.2	71.1
6.	39.9	36.4	6.	25.9	90.5
7.	53.6	61.3	7.	98.1	44.3
8.	49.5	68.8	8.	67.9	77.9
9.	69.2	74.3	9.	20.8	43.0
10.	59.1	54.3	10.	52.9	39.1
11.	58.8	25.0	11.	60.5	37.1
12.	44.0	74.7	12.	59.3	40.1
13.	34.8	51.0	13.	73.8	131.1
14.	19.7	19.9	14.	121.5	82.6
15.	35.9	59.2	15.	42.3	132.4
16.	25.0		16.	39.7	
17.	33.4		17.	25.1	
18.	32.2		18.	60.6	
19.	27.1		19.	81.2	
20.	104.4		20.	114.3	

CHAPTER IV
RESULTS
STATEMENT OF THE PROBLEM

This pilot study investigated the responses to the CAT of forty children with normal speech and forty children with functional articulation disorders. It attempts to analyze the verbal responses of the children with respect to the following variables: 1. Average number of words per protocol, 2. Number and character of oral themes, 3. Number of themes expressing hostility toward parental figures, 4. Number of themes expressing the child's perception of parental hostility directed toward himself.

TABII I
TABLETATION OF MEAN NUMBER OF WORDS PER PROTOCOL

<u>ARTICULATION CASES</u>			<u>NORMAL CASES</u>		
	Boys	Girls	Boys	Girls	
1.	32.7	30.0	38.4	32.9	1.
2.	33.8	40.2	36.8	24.3	2.
3.	32.1	20.6	38.8	110.4	3.
4.	35.5	40.0	32.7	67.2	4.
5.	32.0	32.9	42.2	71.1	5.
6.	39.9	33.4	33.9	90.3	6.
7.	33.5	31.3	36.1	44.3	7.
8.	49.3	38.8	37.9	77.9	8.
9.	39.2	74.3	20.8	43.0	9.
10.	39.1	34.3	32.9	39.1	10.
11.	38.8	25.0	30.2	37.1	11.
12.	44.0	74.7	39.3	40.1	12.
13.	34.8	31.0	73.8	131.1	13.
14.	19.7	19.9	121.3	82.6	14.
15.	32.9	39.2	42.3	132.4	15.
16.	32.0		39.7		16.
17.	32.4		23.1		17.
18.	32.2		30.6		18.
19.	27.1		31.2		19.
20.	104.4		114.3		20.

TABLE I, Cont'd

TABULATION OF MEAN NUMBER OF
WORDS PER PROTOCOL

<u>ARTICULATION CASES</u>		<u>NORMAL CASES</u>	
<u>Boys</u>	<u>Girls</u>	<u>Boys</u>	<u>Girls</u>
21. 45.0		21. 65.4	
22. 45.5		22. 25.9	
23. 99.3		23. 110.3	
24. 33.6		24. 38.6	
25. 35.7		25. 61.0	

AVERAGE NUMBER OF WORDS PER PROTOCOL

The prediction was made that the verbal output of the articulation group would be less than that of normals. The number of words per story was counted to determine whether there was a difference between the average number of words per protocol in the two groups. The mean number of words per story was then obtained for each child by dividing the sum of the words in each protocol by the number ten. (See Table I) The derived means were arranged in consecutive order, ranging from the lowest to the highest mean score. Using this arrangement a median word score of 52.9 was obtained.

TABLE II

CHI SQUARE TABLE

	Number of Cases Below Median	Number Cases Above Median	
Articulation Cases	24	16	40
Normal Cases	16	24	40
	40	40	80

Using this value, a chi square table was developed which set up the number of means for each group which fell above the median score.

TABLE III
CHI SQUARE FORMULA

$$X^2 = \frac{(AB - BC)^2 N}{(A+B)(C+D)(A+C)(B+D)}$$

$$X^2 = \frac{[(24)(24) - (16)(16)]^2 80}{(40)(40)(40)(40)}$$

$$X^2 = 3.200; \quad \text{bf} = 1$$

This particular value of chi square does not appear in the table and, therefore, extrapolation was necessary.

$$p = \frac{3.200 - 2.706}{3.841 - 2.706} (.05 - .10) \quad .10 \quad .0785$$

The probability value of (.0785) is for a two tailed test and was, therefore, halved for the directional prediction yielding a probability value of p .039. The chi square is thus significant at the 3% level of probability. The null hypothesis that no relation exists between verbal output and functional articulation difficulties was rejected in favor of the alternative hypothesis that a relation exists between verbal output and functional articulation difficulties.

TABLE IVa

TABULATION OF MARGINAL FREQUENCIES FOR ARTICULATION GROUP

Case	Orally Aggressive Themes	Hostility toward Parents			Parents Perceived as Hostile		
Girls		P	M	F	P	M	F
1.	2	1	1	0	2	2	0
2.	0	2	0	2	2	0	2
3.	0	0	0	0	0	0	0
4.	2	3	2	1	10	6	4
5.	1	1	1	0	0	0	0
6.	2	0	0	0	4	2	2
7.	4	2	2	0	4	3	1
8.	1	2	1	1	3	3	0
9.	2	0	0	0	0	0	0
10.	0	0	0	0	1	0	1
11.	1	1	0	0	0	0	0
12.	0	0	0	0	1	1	0
13.	4	2	2	0	4	4	0
14.	0	0	0	0	2	0	2
15.	1	1	1	0	0	0	0
Boys							
1.	2	0	0	0	2	1	0
2.	1	2	1	1	1	0	1
3.	0	3	2	1	1	1	0
4.	3	8	5	3	2	2	0
5.	2	3	2	1	1	1	0
6.	2	3	2	1	1	1	0
7.	0	2	1	1	2	1	1
8.	1	0	0	0	0	0	0
9.	2	0	0	0	1	0	1
10.	0	2	1	1	1	0	1
11.	2	2	2	0	1	1	0
12.	1	0	0	0	2	0	2
13.	0	0	0	0	0	0	0
14.	0	0	0	0	0	0	0
15.	1	0	0	0	2	2	0
16.	0	0	0	0	2	1	1
17.	1	0	0	0	1	1	0
18.	1	0	0	0	1	1	0
19.	2	0	0	0	1	0	1
20.	1	2	0	2	1	1	0
21.	4	0	0	0	3	2	1
22.	1	0	0	0	1	1	0
23.	6	2	1	1	1	1	0
24.	3	2	1	1	1	0	1
25.	0	0	0	0	0	0	0

P - Parent
M - Mother
F - Father

F - Parent
M - Mother
F - Father

TABULATION OF MARGINAL FREQUENCIES FOR ATTITUDES GROUP											
Case			Orally aggressive Themes			Hostility toward Parents			Parents Perceived as Hostile		

TABLE IVb

TABULATION OF MARGINAL FREQUENCIES FOR NORMAL GROUP

Case	Orally Aggressive Themes	Hostility Toward Parents			Parents Perceived as Hostile		
Girls		P	M	F	P	M	F
1.	0	0	0	0	0	0	0
2.	0	0	0	0	1	1	0
3.	2	2	1	1	0	0	0
4.	0	0	0	0	1	1	0
5.	0	0	0	0	1	1	0
6.	2	1	1	0	5	3	1
7.	0	0	0	0	0	0	1
8.	1	0	0	0	0	0	0
9.	1	1	1	0	2	1	1
10.	0	0	0	0	1	1	0
11.	0	1	0	1	1	0	1
12.	0	1	0	1	1	1	0
13.	1	0	0	0	1	1	0
14.	0	2	1	1	1	0	1
15.	0	0	0	0	0	0	0
Boys							
1.	2	0	0	0	1	0	1
2.	0	1	1	0	0	0	0
3.	0	1	0	1	0	0	0
4.	1	0	0	0	3	2	1
5.	0	9	5	4	0	0	0
6.	0	0	0	0	1	1	0
7.	1	1	1	0	1	0	1
8.	0	2	1	1	0	0	0
9.	0	0	0	0	2	2	0
10.	1	0	0	0	1	0	1
11.	1	1	1	0	1	1	0
12.	1	0	0	0	1	1	0
13.	1	0	0	0	0	0	0
14.	5	1	1	0	2	2	0
15.	1	0	0	0	1	0	1
16.	0	1	0	1	1	1	0
17.	0	0	0	0	1	0	1
18.	1	1	0	1	2	1	1
19.	0	0	0	0	0	0	0
20.	1	4	2	2	1	1	0
21.	1	0	0	0	1	1	0
22.	0	0	0	0	1	1	0
23.	1	1	1	0	1	0	1
24.	1	2	1	1	1	0	1
25.	5	0	0	0	0	0	0

P - Parent
M - Mother
F - Father

NUMBER AND CHARACTER OF ORAL THEMES PER PROTOCOL

The prediction was made that the articulation group would give more orally aggressive responses than the normal group. A rating scale was devised to determine whether the number and character of oral themes differed between the two groups. Themes of socially acceptable oral acts were given a count of one. Themes of oral aggression were given a count of two or three, depending upon the intensity of the response. Stories with oral themes appearing in the protocols were rated in accordance with this scale. The data on themes of oral aggression were divided according to the following arbitrary criteria: Those protocols containing one or zero themes of oral aggression, and those protocols containing two or more themes of oral aggression. The number of protocols containing one or zero themes were counted and the number of protocols containing two or more themes were counted. (See Table IVb) The following chi square table was developed:

TABLE V

CHI SQUARE TABLE

	1 or 0 Orally Aggressive Themes	2 or More Orally Aggressive Themes	
Articulation Cases	24	16	40
Normal Cases	35	5	40
	59	21	80

TABLE VI

CHI SQUARE TABLE

$$X^2 = \frac{(AD - BC)^2}{(A+B)(C+D)(A+C)(B+D)} N$$

$$X^2 = \frac{[(24)(5) - (16)(35)]^2}{(40)(40)(59)(21)} 80$$

$$X^2 = 6.180$$

This particular value of chi square does not appear in the table and extrapolation was necessary.

$$P = \frac{6.180 - 5.412}{6.635 - 5.412} (.01 - .02) + .02 = .014$$

The probability value of (.014) is for a two tailed test and was, therefore, halved for the directional prediction yielding a probability value of $P = .007$. This chi square is significant at less than the 1% level of probability. The null hypothesis that no relation exists between the number of aggressively oral responses and functional articulation disorders were rejected in favor of the alternative hypothesis that a relation exists between the number of aggressively oral responses and functional articulation disorders.

TABLE VI
CHI SQUARE TABLE

$\chi^2 =$	(AD - BC) ²	N
	(A+B) (C+D) (A+C) (B+D)	
$\chi^2 =$	[(24) (5) - (18) (35)] ²	80
	(40) (40) (50) (30)	
$\chi^2 =$	6.180	

This particular value of chi square does not appear in the table and extrapolation was necessary.

$$P = \frac{6.180 - 5.412}{6.855 - 5.412} = (.01 - .02) + .02 = .014$$

The probability value of (.014) is for a two tailed test and was, therefore, halved for the directional prediction yielding a probability value of P = .007. This chi square is significant at less than the 1% level of probability. The null hypothesis that no relation exists between the number of aggressively oral responses and functional articulation disorders are rejected in favor of the alternative hypothesis that a relation exists between the number of aggressively oral responses and functional articulation disorders.

NUMBER OF THEMES EXPRESSING HOSTILITY TOWARD PARENTAL FIGURES

An analysis of the data was made to determine whether differences existed between the two groups in the number of themes expressing hostility toward parental figures. Themes expressing hostility toward the mother figure, toward the father figure, and toward parental figures in general were counted. A chi square was applied to this variable. Themes expressing hostility toward the mother figure alone were counted and themes expressing hostility toward the father figure alone were counted. (See table IVa & b) Chi squares were also applied to each of these two sub-divisions of the main variable. None of these were found to approach significance at the 5% level of probability.

NUMBER OF THEMES EXPRESSING THE CHILD'S PERCEPTION OF PARENTAL HOSTILITY DIRECTED TOWARD HIMSELF

An analysis was made of the data to determine whether differences existed between the two groups regarding the child's perception of parental hostility directed toward himself. Themes expressing the perception of hostile parental figures were counted. The data was then divided according to the following arbitrary criteria: 1. Those protocols containing less than one such theme, and 2. those protocols containing one or more such theme. The number of protocols containing less than one theme were counted and the number of protocols containing one or more theme were counted. (See table IVa & b).

The following chi square table was developed:

TABLE VII

CHI SQUARE TABLE

	Parents perceived as hostile		
	<u>less than 1 theme 1 or more themes</u>		
Articulation Cases	25	15	40
Normal Cases	33	7	40
Total Themes	58	22	80

$$X^2 = \frac{(AB - BC)^2}{(A+B)(C+D)(A+C)(B+D)} N$$

$$X^2 = \frac{[(25)(7) - (15)(33)]^2}{(40)(40)(58)(22)} 80$$

$$X^2 = 4.012$$

$$P = .05$$

A count was made of those themes expressing the perception of a hostile mother figure and a separate count was made of those themes expressing the perception of a hostile father figure. Chi squares were applied to each of these two sub-divisions of the main variable. Neither of the two sub-divisions were found to be significant. The main chi square - 4.012 was significant at the 5% level of probability.

CHAPTER V

SUMMARY AND CONCLUSIONS

SUMMARY

The relationship of emotional factors to functional articulation disorders was explored by comparing the CAT responses of speech handicapped children and normal speaking children. The data obtained from the CAT was analyzed with respect to four specific variables. The analyzed data for each of the variables was quantified and the statistical measure of Chi Square was applied to determine whether a relationship exists between each of these four variables and functional articulation disorders.

SUMMARY AND CONCLUSIONS

The statistical analysis revealed that a relationship exists between verbal output and functional articulation disorders. The Chi Square is significant at the three percent level of probability.

A relationship was found to exist between the number of aggressive oral responses to the CAT and functional articulation disorders. The Chi Square is significant at less than the one percent level of probability.

Chi squares were applied to themes expressing hostility toward parental figures, but were not found to approach significance at the five percent level of probability.

Chi Square was applied to themes expressing the child's perception of parental hostility directed toward himself. It was found to be significant at the five percent level of

CHAPTER V

SUMMARY AND CONCLUSIONS

THE RESULTS OF THE STUDY
CONDUCTED BY THE AUTHOR

CHAPTER V

SUMMARY AND CONCLUSIONS

SUMMARY

The relationship of emotional factors to functional articulation disorders was explored by comparing the CAT responses of speech handicapped children and normal speaking children. The data obtained from the CAT was analyzed with respect to four specific variables. The analyzed data for each of the variables was quantified and the statistical measure of Chi Square was applied to determine whether a relationship exists between each of these four variables and functional articulation disorders.

The statistical analysis revealed that a relationship exists between verbal output and functional articulation disorders. The Chi Square is significant at the three percent level of probability.

A relationship was found to exist between the number of aggressive oral responses to the CAT and functional articulation disorders. The Chi Square is significant at less than the one percent level of probability.

Chi squares were applied to themes expressing hostility toward parental figures, but were not found to approach significance at the five percent level of probability.

Chi Square was applied to themes expressing the child's perception of parental hostility directed toward himself. It was found to be significant at the five percent level of

CHAPTER V
SUMMARY AND CONCLUSIONS

SUMMARY

The relationship of emotional factors to functional articulation disorders was explored by comparing the CAT responses of speech handicapped children and normal speaking children. The data obtained from the CAT was analyzed with respect to four specific variables. The analyzed data for each of the variables was quantified and the statistical measure of Chi Square was applied to determine whether a relationship exists between each of these four variables and functional articulation disorders. The statistical analysis revealed that a relationship exists between verbal output and functional articulation disorders. The Chi Square is significant at the three percent level of probability.

A relationship was found to exist between the number of aggressive oral responses to the CAT and functional articulation disorders. The Chi Square is significant at less than the one percent level of probability.

Chi squares were applied to themes expressing hostility toward parental figures, but were not found to approach significance at the five percent level of probability.

Chi Square was applied to themes expressing the child's perception of parental hostility directed toward himself. It was found to be significant at the five percent level of

probability. This would seem to indicate that a relationship exists between the perception of parents as hostile figures and functional articulation disorders.

DISCUSSION OF FINDINGS

VERBAL OUTPUT AND FUNCTIONAL ARTICULATION DISORDERS

Children with functional articulation disorders were found to be less verbal on the CAT than children with normal speech. Several possible explanations for this finding come to mind. Children with speech defects may be self-conscious about their speech and, therefore, may tend to be more reticent in verbal activity than those with normal speech. Children with speech defects may have a limited vocabulary, or perhaps have been delayed in their language development. Possibly, the speech handicap and the relative lack of verbalization are symptomatic of some common psychological problem. If we consider words as symbolic of objects placed within the mouth, the reticence to speak might be indicative of the child's reluctance to part with these objects. Little children get to know the world by putting objects in their mouths. They are often forbidden to do so by parental figures, or requested to give up the desired object. Therefore, the reticence to yield the oral object symbolized by the word may be an act of rebellion against parental authority. When called upon to give up the object symbolized by the word, the child may do so unwillingly and hold back for himself some part of the object, or word, resulting in a distortion or

38

probably. This would seem to indicate that a relationship exists between the perception of parents as hostile figures and functional articulation disorders.

DISCUSSION OF FINDINGS VERBAL OUTPUT AND FUNCTIONAL ARTICULATION DISORDERS

Children with functional articulation disorders were found to be less verbal on the CAT than children with normal speech. Several possible explanations for this finding come to mind. Children with speech defects may be self-conscious about their speech and, therefore, may tend to be more reticent in verbal activity than those with normal speech. Children with speech defects may have a limited vocabulary, or perhaps have delayed in their language development. Possibly, the speech handicap and the relative lack of verbalization are symptomatic of some common psychological problem. If we consider words as symbols of objects placed within the mouth, the reticence to speak might be indicative of the child's reluctance to part with these objects. Little children get to know the world by putting objects in their mouths. They are often forbidden to do so by parental figures, or requested to give up the desired object. Therefore, the reluctance to yield the oral object symbolized by the word may be an act of rebellion against parental authority. When called upon to give up the object symbolized by the word, the child may do so unwillingly and hold back for himself some part of the object, or word, resulting in a distortion or

ommission of parts of the yielded object.

ORAL AGGRESSION AND FUNCTIONAL ARTICULATION DISORDERS

The relationship of oral aggression to functional articulation disorders was highly significant. When considered in psychoanalytic sense, the implications of this finding are dramatic. If repressed needs reveal themselves in fantasy life, it may be assumed that the themes of oral aggression are expressions of repressed hostility and aggression. The faulty articulation itself may result from the individual's constant use of energy to hold back impulses which he can not express overtly. If there were no need to make an effort to repress socially unacceptable behavior, the free flow of speech might be possible.

Oral aggression may have its origin in frustrations connected to oral acts going back to the formative years of life, in which the oral region is a highly charged erotic zone. If pleasure, normally experienced via the mouth, is interrupted or prolonged, an exaggerated or insatiable interest in the oral area may result. In order to satisfy the unsatisfied oral needs the child may desire to regress to a more infantile level at which oral pleasures are acceptable. Faulty articulation is characteristic of the young child who is learning to speak.

Speaking itself is an oral act. The child with faulty articulation constantly meets frustration in speaking situations. This frustration may also give rise to feelings of oral aggression which may be expressed in the fantasy life of the child.

omission of parts of the yielded object.

ORAL AGGRESSION AND FUNCTIONAL ARTICULATION DISORDERS

The relationship of oral aggression to functional articulation disorders was highly significant. When considered in psychoanalytic terms, the implications of this finding are dramatic. If repressed needs reveal themselves in fantasy life, it may be assumed that the themes of oral aggression are expressions of repressed hostility and aggression. The faulty articulation itself may result from the individual's constant use of energy to hold back impulses which he can not express overtly. If there were no need to make an effort to repress socially unacceptable behavior, the free flow of speech might be possible. Oral aggression may have its origin in frustrations connected to oral acts going back to the formative years of life, in which the oral region is a highly charged erotic zone. If pleasure, normally experienced via the mouth, is interrupted or prolonged, an exaggerated or insatiable interest in the oral area may result. In order to satisfy the unsatisfied oral needs the child may desire to regress to a more infantile level at which oral pleasures are acceptable. Faulty articulation is characteristic of the young child who is learning to speak. Speaking itself is an oral act. The child with faulty articulation constantly meets frustration in speaking situations. This frustration may also give rise to feelings of oral aggression which may be expressed in the fantasy life of the child.

EXPRESSED HOSTILITY TOWARD PARENTS AND FUNCTIONAL ARTICULATION DISORDERS

The chi squares applied to the variable of expressed hostility toward parental figures fail to reveal a relationship with functional articulation disorders. The fact that a relationship was not revealed may have been due to the sample used, or to the level of analysis. It is felt, however, that raw data indicated that some relationship might exist which may have been revealed had a deeper method of subjective analysis been attempted.

PERCEPTION OF HOSTILE PARENTAL FIGURES AND FUNCTIONAL ARTICULATION DISORDERS

A relationship was found between the perception of hostile parental figures and functional articulation disorders. The chi square was significant at the five percent level of probability. These findings may indicate that functional articulation cases tend to come from punitive homes. Another explanation is that the child's need for punishment is not satisfied. If we consider this in connection with the previous discussion on orally aggressive acts, the child may fear punishment which would be incurred by the expression of aggression he has been made to repress. He may, at the same time, desire punishment in order to rid himself of a sense of guilt associated with his anti-social impulses. Faulty articulation is not approved of by society in general, and parents in particular. In persisting in a behavioral pattern which incurs disapproval, the child may be satisfying his need for punishment.

10

EXPRESSED HOSTILITY TOWARD PARENTS AND FUNCTIONAL ARTICULATION
DISORDERS

The chi squares applied to the variable of expressed hostility toward parental figures fail to reveal a relationship with functional articulation disorders. The fact that a relationship was not revealed may have been due to the sample used, or to the level of analysis. It is felt, however, that new data indicated that some relationship might exist which may have been revealed had a deeper method of subjective analysis been attempted.

PERCEPTION OF HOSTILE PARENTAL FIGURES AND FUNCTIONAL
ARTICULATION DISORDERS

A relationship was found between the perception of hostile parental figures and functional articulation disorders. The chi square was significant at the five percent level of probability. These findings may indicate that functional articulation cases tend to come from punitive homes. Another explanation is that the child's need for punishment is not satisfied. If we consider this in connection with the previous discussion on orally aggressive acts, the child may fear punishment which would be incurred by the expression of aggression he has been made to repress. He may, at the same time, desire punishment in order to rid himself of a sense of guilt associated with his anti-social impulses. Parental articulation is not approved of by society in general, and parents in particular. In persisting in a behavior pattern which incurs disapproval, the child may be satisfying his need for punishment.

IMPLICATIONS FOR SPEECH THERAPY

The findings of this study tend to indicate that a relationship exists between functional articulation disorders and psychological factors. It has been suggested in the foregoing discussion that functional articulation disorders are symptomatic of deeper emotional disturbances. The symptom may be the child's defense against the expression of anti-social impulses which he believes will incur disapproval. The symptom may also function as a device to hold back from consciousness problems which would give rise to unpleasant feelings of anxiety. It may also serve to satisfy needs which have been unsatisfied in the course of development. Since the elimination of the speech disorder would deprive the child of his means of satisfying unsatisfied needs and repressing disturbing impulses, it may force him to find a new means of maintaining his emotional equilibrium. Therefore, correction of the faulty articulation alone may give rise to new symptoms which would stem from old problems. These psychological factors should be handled in the treatment of functional articulation cases, for the whole child must be considered if speech correction is to be truly therapeutic.

LIMITATIONS

There are a number of limitations to this study which stem from a variety of sources:-

1. Limitations which are intrinsic in the experimental design of the study.
2. Limitations in the method of acquiring data.

IMPLICATIONS FOR SPEECH THERAPY

The findings of this study tend to indicate that a relationship exists between functional articulation disorders and psychological factors. It has been suggested in the foregoing discussion that functional articulation disorders are symptomatic of deeper emotional disturbances. The symptom may be the child's defense against the expression of anti-social impulses which he believes will incur disapproval. The symptom may also function as a device to hold back from consciousness problems which would give rise to unpleasant feelings of anxiety. It may also serve to satisfy needs which have been unsatisfied in the course of development. Since the elimination of the speech disorder would deprive the child of his means of satisfying unsatisfied needs and repressing disturbing impulses, it may force him to find a new means of maintaining his emotional equilibrium. Therefore, correction of the faulty articulation alone may give rise to new symptoms which would stem from old problems. These psychological factors should be handled in the treatment of functional articulation cases, for the whole child must be considered if speech correction is to be truly therapeutic.

LIMITATIONS

There are a number of limitations to this study which stem from a variety of sources:-

1. Limitations which are intrinsic in the experimental design of the study.
2. Limitations in the method of obtaining data.

3. Limitations in methods of handling the data.

LIMITATIONS WHICH ARE INTRINSIC IN THE EXPERIMENTAL DESIGN OF THE STUDY

This is a pilot study designed as a master's thesis, therefore extensive research was not feasible. The data which was dealt with in this study, however, seem to warrant more thorough analysis.

Certain limitations were imposed by the projective tool used in the study. Normative data for the CAT are not yet available. Evaluation of responses was hampered by the lack of information as to what constituted a normal response to the test. In addition, the standard method for analyzing responses to the CAT was not applicable in this study.

Additional limitations were created by the sample population studied by this research. The children in the two groups compared were not matched for socio-economic status, for number of years in school or for classroom teacher. Although each child in the group was diagnosed as a severe functional articulation case, the degree of severity differed within the group. Speech therapy may alleviate some of the emotional problems which are perhaps related to functional articulation disorders. Since each of the children used in the articulation group were undergoing therapy, the type of CAT responses elicited may have differed from the type of responses they would have given prior to speech therapy. The amount and type of therapy received was unknown.

3. Limitations in methods of handling the data.

LIMITATIONS WHICH ARE INTRINSIC IN THE EXPERIMENTAL DESIGN OF THE STUDY

This is a pilot study designed as a master's thesis, therefore extensive research was not feasible. The data which was dealt with in this study, however, seem to warrant more thorough analysis.

Certain limitations were imposed by the projective tool used in the study. Normative data for the CAT are not yet available. Evaluation of responses was hampered by the lack of information as to what constituted a normal response to the test. In addition, the standard method for analyzing responses to the CAT was not applicable in this study.

Additional limitations were created by the sample population studied by this research. The children in the two groups compared were not matched for socio-economic status, for number

of years in school or for classroom teacher. Although each child in the group was diagnosed as a severe functional articulation case, the degree of severity differed within the group.

Speech therapy may alleviate some of the emotional problems which are perhaps related to functional articulation disorders. Since each of the children used in the articulation group were undergoing therapy, the type of CAT responses elicited may have differed from the type of responses they would have given prior to speech therapy. The amount and type of therapy received

was unknown.

It is questionable whether or not a verbal test of intelligence gives a true picture of the mental ability of verbally handicapped children. Group tests of intelligence gives a less accurate estimate of mental ability than individual tests. The Kuhlman-Anderson Form A which was used to evaluate the intelligence of the sample used in the study is a verbal group intelligence test. It was the only outside criteria available on the sample population.

LIMITATIONS IN THE METHOD OF ACQUIRING DATA

The personality of the tester may have an effect upon the CAT responses elicited from the subject. Due to limitations of time available for testing eleven testers were used to administer the test to the sample. This was a variable which was not taken into account in the analysis of the data.

Since wire-recorders were not available, the responses of the children were taken down by hand and the probability of error was thereby increased.

The test was administered in a school situation. The children were taken away from activities in which they enjoyed participation. Only a short time was available for the establishment of rapport. In several instances interruptions occurred due to the arrival of the lunch hour. On the whole, only one hour was available for testing each child. The factor of fatigue likely to be present at the end of the school day was not controlled.

It is questionable whether or not a verbal test of intelli-

gence gives a true picture of the mental ability of verbally handicapped children. Group tests of intelligence gives a less accurate estimate of mental ability than individual tests. The Kuhlman-Anderson form A which was used to evaluate the intelli-

gence of the sample used in the study is a verbal group intelligence test. It was the only outside criteria available on the sample population.

LIMITATIONS IN THE METHOD OF ACQUIRING DATA

The personality of the tester may have an effect upon the CAT responses elicited from the subject. One to limitations of time available for testing eleven testers were used to administer the test to the sample. This was a variable which was not taken into account in the analysis of the data.

Since wire-recorders were not available, the responses of the children were taken down by hand and the probability of error was thereby increased.

The test was administered in a school situation. The children were taken away from activities in which they enjoyed participation. Only a short time was available for the establishment of rapport. In several instances interruptions occurred due to the arrival of the lunch hour. On the whole, only one hour was available for testing each child. The factor of fatigue likely to be present at the end of the school day was not controlled.

LIMITATIONS IN THE METHOD OF HANDLING THE DATA

Owing to limitations of time, a total analysis of the protocols was not attempted. No attempt was made at depth analysis and thus the symbolic content of the stories was not handled.

One of the problems in the analysis of projective tests is the difficulty of quantifying subjective interpretations. No reliability measures were obtained on the method used in this study for the quantification of the interpretations made of the data. Two judges participated in the analysis of the protocols and no reliability co-efficients were calculated on the agreement of their individual interpretations of the material.

Many of the statistical procedures applicable to the data obtained in the analysis of the protocols were not used. Additional criteria might have been set up which might have yielded more information about relationships between emotional factors and functional articulation disorders.

SUGGESTIONS FOR FUTURE RESEARCH

IMPLICATIONS FOR RESEARCH ARISING FROM THE LIMITATIONS

The limitations previously discussed are serious and may have affected the results obtained in this study. If this study were repeated with greater care given to the experimental design and to methods of acquiring and handling data, a truer picture of the relationship existing between functional articulation disorders and psychological factors might be revealed.

LIMITATIONS IN THE METHOD OF HANDLING THE DATA

Owing to limitations of time, a total analysis of the protocols was not attempted. No attempt was made at depth analysis and thus the symbolic content of the stories was not handled.

One of the problems in the analysis of projective tests is the difficulty of quantifying subjective interpretations. No reliability measures were obtained on the method used in this study for the quantification of the interpretations made of the data. Two judges participated in the analysis of the protocols and no reliability co-efficients were calculated on the agreement of their individual interpretations of the material.

Many of the statistical procedures applicable to the data obtained in the analysis of the protocols were not used. Additional criteria might have been set up which might have yielded more information about relationships between emotional factors and functional articulation of borders.

SUGGESTIONS FOR FUTURE RESEARCH

IMPLICATIONS FOR RESEARCH ARISING FROM THE LIMITATIONS

The limitations previously discussed are serious and may have affected the results obtained in this study. If this study were repeated with greater care given to the experimental design and to methods of recording and handling data, a finer picture of the relationship existing between functional articulation disorders and psychological factors might be revealed.

In order to obtain a complete understanding of the ways in which the emotional life of the child with functional articulation disorders differs from that of the child with normal speech, factors other than fantasy life should be investigated. Some of the tools which could be utilized to gain additional insight into the emotional life of the child are: The Rorschach, the Vineland Social Maturity Scale, the case study method, individual tests of intelligence, both verbal and non-verbal, anecdotal records, and additional projective techniques.

The data obtained for this study are available for further analysis. A number of themes that were not handled in this study seemed to recur throughout the protocols. Themes dealing with sibling rivalry, sex confusion, the Oedipus complex, fears of loneliness, darkness and death, might be explored profitably. An analysis of the expressed identifications with parents or other figures, and the positive feelings toward home and play might yield fruitful information.

STUDIES ARISING FROM THE CONCLUSIONS DRAWN FROM THIS STUDY

Since a relation was shown to exist between functional articulation disorders and emotional factors, several questions arise.

1. Do children with functional articulation disorders exhibit a pattern of emotional characteristics which distinguishes them from children with other symptoms of emotional disturbances? A study comparing projective responses of children with functional

45

In order to obtain a complete understanding of the ways in which the emotional life of the child with functional articulation disorders differs from that of the child with normal speech, factors other than fantasy life should be investigated. Some of the tools which could be utilized to gain additional insight into the emotional life of the child are: The Rorschach, the Vineland Social Maturity Scale, the case study method, individual tests of intelligence, both verbal and non-verbal, anecdotal records, and additional projective techniques. The data obtained for this study are available for further analysis. A number of themes that were not handled in this study seemed to recur throughout the protocols. Themes dealing with sibling rivalry, sex confusion, the Oedipus complex, fears of loneliness, darkness and death, might be explored profitably. An analysis of the expressed identifications with parents or other figures, and the positive feelings toward home and play might yield fruitful information.

STUDIES ARISING FROM THE CONCLUSIONS DRAWN FROM THIS STUDY

Since a relation was shown to exist between functional articulation disorders and emotional factors, several questions arise.

1. Do children with functional articulation disorders exhibit a pattern of emotional characteristics which distinguishes them from children with other symptoms of emotional disturbances? A study comparing projective responses of children with functional

articulation disorders and children with primary stuttering or severe behavior problems might reveal whether there is a distinguishable psychological syndrome that is characteristic of functional articulation disorders.

2. Is the relationship which has been shown to exist between functional articulation disorders and emotional factors related to the fact that the speech disorder is functional rather than organic in nature? A study comparing the projective responses of functional articulation cases and organically caused articulation cases might reveal whether the emotional factors involved are related to the functional nature of the speech problem.

APPENDIX A

3. Is speech therapy which handles the emotional difficulties of the child with functional articulation disorders more effective than speech therapy which handles only the faulty articulation? A study is indicated which would compare the therapeutic gains in speech and overall adjustment of two groups of functional articulation cases receiving two different types of speech therapy.

articulation disorders and children with primary stuttering or severe behavior problems might reveal whether there is a distinguishable psychological syndrome that is characteristic of functional articulation disorders.

2. Is the relationship which has been shown to exist between functional articulation disorders and emotional factors related to the fact that the speech disorder is functional rather than organic in nature? A study comparing the projective responses of functional articulation cases and organically caused articulation cases might reveal whether the emotional factors involved are related to the functional nature of the speech problem.

3. Is speech therapy which handles the emotional difficulties of the child with functional articulation disorders more effective than speech therapy which handles only the faulty articulation? A study is indicated which would compare the therapeutic gains in speech and overall adjustment of two groups of functional articulation cases receiving two different types of speech therapy.

APPENDIX A

DESCRIPTION OF CAT PICTURES¹

Picture 1: "Chickens seated around a table on which is a large bowl of food. Off to one side is a large chicken, dimly outlined."

Picture 2: "One bear pulling a rope on one side while another bear and a baby bear pull on the other side."

Picture 3: "A lion with pipe and cane, sitting in a chair; in the lower right corner a little mouse appears in a hole."

Picture 4: "A kangaroo with a bunnet on her head, carrying a basket with a milk bottle; in her pouch is a baby kangaroo with a balloon; on a bicycle, a larger kangaroo child."

Picture 5: "A darkened room with a large bed in the background; a crib in the fore-ground; a crib in the fore-ground in which are two baby bears."

APPENDIX A

Picture 6: "A darkened cave with two dimly outlined bear figures in the background; a baby bear lying in the foreground."

Picture 7: "A tiger with bared fangs and claws, leaping at a monkey which is also leaping through the air."

Picture 8: "Two adult monkeys sitting on a sofa drinking from tea cups. One adult monkey in fore-ground sitting on a hassock talking to a baby monkey."

Picture 9: "A darkened room seen through an open door from a lighted room. In the darkened one there is a child's bed in which a rabbit sits up looking through the door."

Picture 10: "A baby dog lying across the knees of an adult dog: both figures with a minimum of expressive features. The figures are set in the foreground of a bathroom."

1. Bellak, L., and Bellak, S., Children's Apperception Test. New York: C.P.S. Co., 1949, pp. 3-4.

APPENDIX A

DESCRIPTION OF CAT PICTURES¹.

Picture 1: "Chicks seated around a table on which is a large bowl of food. Off to one side is a large chicken, dimly outlined."

Picture 2: "One bear pulling a rope on one side while another bear and a baby bear pull on the other side."

Picture 3: "A lion with pipe and cane, sitting in a chair; in the lower right corner a little mouse appears in a hole."

Picture 4: "A kangaroo with a bonnet on her head, carrying a basket with a milk bottle; in herpouch is a baby kangaroo with a balloon; on a bicycle, a larger kangaroo child."

Picture 5: "A darkened room with a large bed in the background; a crib in the fore-ground; a crib in the fore-ground in which are two baby bears."

Picture 6: "A darkened cave with two dimly outlined bear figures in the background; a baby bear lying in the foreground."

Picture 7: "A tiger with bared fangs and claws, leaping at a monkey which is also leaping through the air."

Picture 8: "Two adult monkeys sitting on a sofa drinking from tea cups. One adult monkey in fore-ground sitting on a hassock talking to a baby monkey."

Picture 9: "A darkened room seen through an open door from a lighted room. In the darkened one there is a child's bed in which a rabbit sits up looking through the door."

Picture 10: "A baby dog lying across the knees of an adult dog; both figures with a minimum of expressive features. The figures are set in the foreground of a bathroom."

1. Bellak, L., and Bellak, S., Children's Apperception Test, New York: C.P.S. Co., 1949, pp. 3-4.

Then father will wake up the baby one so she can watch television. He wants her to see the Gene Autry program on Channel 7. She'll be glad.

APPENDIX A

TEST PROTOCOLS

Articulation Girls

Protocol 1

Story 1.-- They are eating porridge. The mother rooster is looking at the porridge. It's good. She wants some. She got a bowl full and ate it. Then the little duckies didn't have none. They felt sad.

Story 2.-- The mother is pulling the jump rope and the father and baby are pulling the other side. The father will win. The mother will cry. The mother will fall down.

Story 3.-- The lion is sitting down. He has a pipe in his hand. He's thinking up something. He is going to get mad. He wants his mother. He doesn't want to be alone. He's afraid. "Cuz" he afraid someone is coming in. He's afraid of the mouse. He'll get in a fight with the mouse. The mouse will get killed. The lion will eat him.

Story 4.-- The mother is going to the store. The baby is inside. The other baby is riding a bike. The baby inside has a balloon. She's going to buy milk. The mother told the babies they would go to their cousin's house later.

Story 5.-- The two bears are playing in the crib. The mother isn't there to see them. They're talking about things. They said "Peek out the window". They could go to sleep and not play. The mother will come in. Then the babies will go to sleep when they hear the mother coming.

Story 6.-- The father bear is sleeping. The mother bear is sleeping. The baby is opening her eyes. She might wake up the father. She wants the father to get her breakfast. The father will get the breakfast. The mother will come and wake up the baby and the father and tell them it's time for breakfast.

Story 7.-- The monkey sees the tiger getting him. The monkey is going to climb the tree. The tiger will get the monkey. The tiger will bite the tree; the tree will fall down and he'll get the monkey. He'll eat the monkey for his breakfast.

Story 8.-- That's the baby monkey and the father is saying something to the baby monkey. He'll tell her to go to bed.

Then father will wake up the baby one so she can watch television. He wants her to see the Gene Autry program on Channel 7. She'll be glad.

Story 9.-- The door is open. The mother let the door open so she can have some air. She's sitting up in her crib. She's looking someplace-- in the living room. She sees her mother. Her mother is dressing up. So she'll dress her up and they'll go to the store and buy two bottles of milk. They'll come back and the mother will put the baby back in the crib. Then when it gets to be this afternoon, she'll take the baby; give her dinner; they'll watch television until father comes home.

Story 10.-- The baby dog is getting a spanking. The mother is spanking her because she went on the floor. She'll put her on the toilet to do it. The dog will get up and she'll go outside and play.

Protocol 2

Story 1.-- One of the hens is eating. The dish is on the table with the food in it. The others are going to eat it. The mother will give them some food.

Story 2.-- The bear is trying to pull the father. The baby bear is trying to pull the father bear. The mother bear has only one. The father bear has two-- the baby bear. I think the father and baby will win.

Story 3.-- The tiger is smoking the pipe. He sees somebody. He sees a father. The tiger and his father will get into a fight. The father will win. Then other tiger will go away.

Story 4.-- The dog is going home. He has the baby one in his chest; he's holding a balloon. The middle sized one is riding the bike. The baby one might lose the balloon and the middle sized one will get it for him.

Story 5.-- The teddy bears are in the crib. The window is opened. Somebody might steal the teddy bear. The boy who lives in the crib will cry for the teddy bear. He won't get it back.

Story 6.-- The father bear is laying down. The baby bear is laying down. The father bear will look for who took the baby bear. The mother and father will look for the baby. Then the baby just walked-- nobody took him. He just walked and didn't know where he went. Somebody took the father bear. A mean man took the father; he burned the father cried "ouch and help." He couldn't get away.

Story 7.-- The tiger is trying to get the monkey. The monkey is hurrying. The tiger doesn't get the monkey; the monkey got away.

Story 8.-- The father is one is talking to the baby. The mother and the other monkey are talking. The mother has a cup of coffee. The father is talking about the baby. He's pointing with his finger. He's saying, "behave yourself." The baby was standing up.

Story 9.-- The door is opened. The baby is in his crib. If somebody sneaked by the door the bunny might scream. The mother and father might come and see the robber who is taking the bunny. The mother and father would call the police and turn the robber in.

Story 10.-- The father puppy dog will get the puppy dog. The puppy dog is getting away from the father. He doesn't want to be on the father's knee. He wants to go to the bathroom.

Protocol 3

Story 1.-- They're eating supper. Duck coming in back of them. Two little birds are there. One big one and two little dishes.

Story 2.-- Pulling on the ropes. Big and little teddy bears. They're going to be falling off the side. They're pulling the rope.

Story 3.-- A lion sitting down. Something is coming after the lion out of the hole.

Story 4.-- Two little Kangaroos. They're going on a picnic. Bears riding on a bike, another one is being carried.

Story 5.-- Two babies in a crib in bed. Mommy and daddy's bed. They shut the light and the two little ones are sleeping. The mommy and daddy are sleeping.

Story 6.-- Two little lions are sleeping. They're sleeping in a tunnel. After they'll wake up and go out. Go out and get fresh air. Little one going out at the same time.

Story 7.-- Lion is chasing (didn't know it was a monkey). Lion is going to try to eat monkey. He doesn't catch the monkey. The monkey goes up into the tree.

Story 8.-- Two little monkeys sitting having company. They're in the home.

Story 7. -- The tiger is trying to eat the monkey. The monkey is hurrying. The tiger doesn't get the monkey; the monkey got away.

Story 8. -- The father is one is talking to the baby. The mother and the other monkey are talking. The mother has a cup of coffee. The father is talking about the baby. He's pointing with his finger. He's saying, "Behave yourself." The baby was standing up.

Story 9. -- The door is opened. The baby is in his crib. If somebody sneaked by the door the bunny might scream. The mother and father might come and see the robber who is taking the bunny. The mother and father would call the police and turn the robber in.

Story 10. -- The father puppy dog will eat the puppy dog. The puppy dog is getting away from the father. He doesn't want to be on the father's knee. He wants to go to the bathroom.

Protocol 3

Story 1. -- They're eating supper. Duck coming in back of them. Two little birds are there. One big one and two little dishes.

Story 2. -- Pulling on the ropes. Big and little teddy bears. They're going to be falling off the side. They're pulling the rope.

Story 3. -- A lion sitting down. Something is coming after the lion out of the hole.

Story 4. -- Two little kangaroos. They're going on a picnic. Bears riding on a bike, another one is being carried.

Story 5. -- Two babies in a crib in bed. Mommy and daddy's bed. They shut the light and the two little ones are sleeping. The mommy and daddy are sleeping.

Story 6. -- Two little lions are sleeping. They're sleeping in a tunnel. After they'll wake up and go out. Go out and get fresh air. Little one going out at the same time.

Story 7. -- Lion is chasing (didn't know it was a monkey). Lion is going to try to eat monkey. He doesn't catch the monkey. The monkey goes up into the tree.

Story 8. -- Two little monkeys sitting having company. They're in the home.

Story 9.-- Baby bunny is sleeping in the crib; wakes up and goes to his mommy and daddy. He gets back in bed and goes to sleep.

Story 10.-- Two little dogs going in the bathroom. He's spanking that dog. Dog has been bad.

Protocol 4

Story 1.-- They are at dinner. They are eating and talking. They are talking about their mother. They don't like her. She's not nice to the 'kids'; she doesn't buy them anything.

Story 2.-- They are pulling the rope-- the mother, and the poppa and the baby. The baby will get the rope. Father will take it away from her. They don't want the baby bear to have it.

Story 3.-- The mouse is looking at the tiger. The tiger will eat the mouse and they'll be no more mouse left.

Story 4.-- The kangaroo is going to the store. She's trying to walk but the bicycle is hitting her. The baby has a balloon. She keeps on punching the balloon on her legs.

Story 5.-- It's night-time. Nobody is in bed except the baby bears. They want to get up; they might sneak down stairs. They are talking. If mother catches them, she'll spank them.

Story 6.-- The father bear and the baby bear. The father is sleeping. The baby is awake. She might do something. She leave the father and go away. She might leave the cave and go to her real house.

Story 7.-- The big tiger is scaring the monkey away. He might eat him. The tiger is growling at him. The tiger will fall; he's on the rock. The monkey will get away and climb the tree.

Story 8.-- Mother bear, father bear and a baby bear--all of them are talking. They are talking about going out for supper. When they go out for supper the baby bear might not go to the table. She might stay in the car. She don't want to go in. Mother and daddy will spank her and bring her in.

Story 9.-- The baby rabbit is in bed. She's looking out the door. She wants to go down stair. She'll crawl out of the bed and go downstairs and eat some dinner because she was a bad girl. She didn't do what she was supposed to do and she had no supper. Her father and mother came in from the dance

Story 9.-- Baby's mother is also in the kitchen; there is
not time to get ready and ready. The baby has the good
of sleep.

Story 10.-- Two little boys going in the bedroom. The
speaking that day. Dog has been dead.

Recessed

Story 1.-- They are at dinner. They are eating in the
kitchen. They are talking about their mother. They don't like
her. She's not nice to the father; she doesn't say when any-
thing.

Story 2.-- They are pulling one rope-- the father, and
the mother and the baby. The mother will not let the father
pull it away from her. They don't want the baby to be
hurt.

Story 3.-- The mother is looking at the father. The father
will not let her and she will be no more money left.

Story 4.-- The mother is going to the store. She's
trying to get the baby's things. The father is
dellous. She's in the kitchen. The father is not happy.

Story 5.-- It's night-time. Nobody is in the house. The
baby is alone. They want to see the baby down stairs.
They are looking. It's a very long time. They'll see the baby.

Story 6.-- The father is not happy. The mother
is sleeping. The baby is awake. The father is not happy.
The mother is not happy. The father is not happy. The mother
is not happy. The father is not happy. The mother is not happy.

Story 7.-- The father is not happy. The mother is not happy.
The baby is not happy. The father is not happy. The mother is not happy.
The baby is not happy. The father is not happy. The mother is not happy.

Story 8.-- The father is not happy. The mother is not happy.
The baby is not happy. The father is not happy. The mother is not happy.
The baby is not happy. The father is not happy. The mother is not happy.

Story 9.-- The father is not happy. The mother is not happy.
The baby is not happy. The father is not happy. The mother is not happy.
The baby is not happy. The father is not happy. The mother is not happy.

and they saw her eating. They spanked her and put her to bed.

Story 10.-- The mother puppy is spanking the baby puppy. She spanked her because she was bad. When mother and father come home from the store they found her playing out in the night time and they spanked her and put her to bed.

Protocol 5

(Tense-- reluctant to speak. Frequently responded to pictures with one word responses.)

Story 1.-- Three chickens eating. Big chicken laying eggs. Bowl (points to objects in picture) table-- chicken-- chairs.

Story 2.-- Bears-- pulling the rope. Baby bear and father bear against the mother bear. Mother bear will win. They are playing a game.

Story 3.-- Tiger-- sitting in a chair-- got a pipe-- a cane. This tiger feels sick. A little reindeer (points to mouse) trying to get in. Tiger won't get well. He'll be sick.

Story 4.-- Dogs-- one is riding the bike, one's got a pocketbook and some milk-- a hat-- there are some Christmas trees. They're going home. The stove blew up at home. The mother will be hurt.

Story 5.-- Baby bear is sleeping in the crib and there's a big bed over there and there is a lamp and a curtain and a blanket. Mother and father in the big bed. Baby bear feels sick.

Story 6.-- Baby bears-- they're sleeping-- the baby bear is sleeping. Mother is sleeping. Father is sleeping.

Story 7.-- Tigers are running-- they're going to bite the big man (monkey). Some flowers-- some more Christmas trees.

Story 8.-- Monkeys-- they're drinking coffee-- mother bear and father bear and a little boy. The father is sleeping (central foreground figure on stool). There's a chair and a picture.

Story 9.-- Baby rabbit sleeping in the crib-- there is a door, a lamp, a crib and a blanket. The door opened. Bunny's looking outside. Bunny feels sick.

Story 10.-- in the back there's the bathtub and some towels, a chair, a toilet. Puppies are laying down.

and they saw her eating. They spanked her and put her to bed.

Story 10. -- The mother guppy is spanking the baby guppy. She spanked her because she was bad. When mother and father come home from the store they found her playing out in the night time and they spanked her and put her to bed.

Protocol 5

(Tessa--reluctant to speak. I repeatedly responded to pictures with one word responses.)

Story 1. -- Three chickens eating. Big chicken laying eggs. (points to objects in picture) Table--chicken--chairs.

Story 2. -- Bears--pulling the rope. Baby bear and father bear against the mother bear. Mother bear will win. They are playing a game.

Story 3. -- Tiger--sitting in a chair--got a pipe--a cane. This tiger feels sick. A little retainer (points to mouse) trying to get in. Tiger won't get well. He'll be sick.

Story 4. -- Dogs--one is riding the bike, one's got a pocketbook and some milk--a hat--there are some Christmas trees. They're going home. The stove blew up at home. The mother will be hurt.

Story 5. -- Baby bear is sleeping in the crib and there's a big bed over there and there is a lamp and a curtain and a blanket. Mother and father in the big bed. Baby bear feels sick.

Story 6. -- Baby bears--they're sleeping--the baby bear is sleeping. Mother is sleeping. Father is sleeping.

Story 7. -- Tigers are running--they're going to bite the big man (monkey). Some flowers--some more Christmas trees.

Story 8. -- Monkeys--they're drinking coffee--mother bear and father bear and a little boy. The father is sleeping (central foreground figure on stool). There's a chair and a picture.

Story 9. -- Baby rabbit sleeping in the crib--there is a door, a lamp, a crib and a blanket. The door opened. Bunny's looking outside. Bunny feels sick.

Story 10. -- in the back there's the bathtub and some towels, a chair, a toilet. Puppies are laying down.

Protocol 6

Story 1.-- The ducks are eating soup. The father duck is watching the ducks. The ducks want some soup. The father wants them to eat slowly. He doesn't want them to eat fast.

Story 2.-- They are bears and they are pulling a rope-- mother, father bear, and baby. Father and mother will get the rope from baby. Baby will feel sad. Baby will cry.

Story 3.-- The tiger is sitting down. He has a pipe. He has a cane. The mouse is in the hole. The tiger will bite him and eat him up.

Story 4.-- The big baby is riding on a bike. The little baby is in the pouch. Mommy is rushing to go to the store. She wants the babies to rush too. They want to rush with mummy. They are going to the store.

Story 5.-- I think they are bears. The bears are in the crib. They are going to sleep. They are sleepy. They are very sleepy. The father will read the paper; the mother will do knitting or sewing.

Story 6.-- Are they bears? The father bear is sleeping; the mother bear isn't. The mother is resting. She's thinking about the father. She wants the father to wake up. She's afraid that someone will get her. But nobody gets her.

Story 7.-- Here's a tiger. Here's a monkey. The tiger is running after the monkey. The monkey is climbing up the tree. The tiger bites the monkey. The tiger eats up the monkey.

Story 8.-- The father bear, the mother bear, and the little boy. Grandpa is telling him not to make the mother monkey hit the little boy. The father said he wouldn't hit the little boy and the little boy doesn't get hit.

Story 9.-- The rabbit is sitting up in his crib. He is thinking that the mother rabbit is going to come in and read him a story. Mother rabbit does. She reads him a story about the three Bears.

Story 10.-- The father dog and the little boy dog. The father is spanking the boy because he did something wrong. He disobeyed his father. His father told him to go up to his room. He went in the bathroom. The father bear came up and spanked him.

Protocol 6

Story 1.-- The ducks are eating soup. The father duck is watching the ducks. The ducks want some soup. The father wants them to eat slowly. He doesn't want them to eat fast.

Story 2.-- They are bears and they are pulling a rope. Mother, father bear, and baby. Father and mother will get the rope from baby. Baby will cry. Baby will cry.

Story 3.-- The tiger is sitting down. He has a pipe. He has a cane. The mouse is in the hole. The tiger will bite him and eat him up.

Story 4.-- The big baby is riding on a bike. The little baby is in the couch. Mommy is rushing to go to the store. She wants the babies to rush too. They want to rush with mommy. They are going to the store.

Story 5.-- I think they are bears. The bears are in the crib. They are going to sleep. They are sleepy. They are very sleepy. The father will read the paper; the mother will do knitting or sewing.

Story 6.-- Are they bears? The father bear is sleeping; the mother bear isn't. The mother is resting. She's thinking about the father. She wants the father to wake up. She's afraid that someone will get her. But nobody gets her.

Story 7.-- Here's a tiger. Here's a monkey. The tiger is running after the monkey. The monkey is climbing up the tree. The tiger bites the monkey. The tiger eats up the monkey.

Story 8.-- The father bear, the mother bear, and the little boy. Grandpa is telling him not to make the mother monkey hit the little boy. The father said he wouldn't hit the little boy and the little boy doesn't get hit.

Story 9.-- The rabbit is sitting up in his crib. He is thinking that the mother rabbit is going to come in and read him a story. Mother rabbit does. She reads him a story about the three bears.

Story 10.-- The father dog and the little boy dog. The father is spanking the boy because he did something wrong. He disobeyed his father. His father told him to go up to his room. He went in the bathroom. The father bear came up and spanked him.

Protocol 7

Story 1.-- The mother's going to come home and spank them because they ate at the table while she's not there. They'll break the dishes, eat the turkey on the mother and break the table and then tear the flowers off the wall. One will break the chair and the mother will come home and call them and lick them.

Story 2.-- A baby bear is pulling the papa bear and the papa will punch the baby and the mother will punch the papa on the head and they all go in the house and get their ice skates and they fall. The mother and father can't skate but the baby can. All tired and they go to bed and the baby goes in the father's bed and the father says get out of here and the mother bear says you can't talk like that and spanks him.

Story 3.-- That's the tiger. Then the principal (?) and the squirrel coming out of the hole and turn him upside down and he'll be flat on the floor and say I'm not going to live in this house all smashed to pieces and the tiger is going to eat the mouse for doing it cause the mouse done it.

Story 4.-- The mother said not to bring the bike and the little girl said the mother said okay but don't go on the street. The little girl wanted to get into the milk case and the mother said why and she said I don't know. What can I do with this baby? I'll go home and throw her in bed and the girl wanted to climb a tree to get away from the mother.

Story 5.-- The mother and father hide under the covers cause they think murderers are out and then the baby doesn't have any covers and the baby smashed the light and the mother and father wanted him to and he play ring-around-the-rosy around the crib. A mouse came and took the shoes off and the mother and father said go throw the mouse outside and kill him.

Story 6.-- Boogey mouses in a big, big shack but the baby boogey mouse is in front where he can see but the little baby can't see anything and the mother said you better to get some more eyes cause he didn't have enough and the shack fell and the mother and father put it up and they lived happily ever after.

Story 7.-- The tiger wanted to get the monkey but the monkey don't want him to eat him so he climbed up the tree but the tiger got him before he got up the tree.

Story 8.-- A little girl monkey and mother monkey said I would go out and get the tea but the baby don't drink it and

Protocol 7

Story 1. -- The mother's going to come home and speak them because they ate at the table while she's not there. They'll break the dishes, eat the turkey on the mother and break the table and then tear the flowers off the wall. One will break the chair and the mother will come home and call them and lick them.

Story 2. -- A baby bear is pulling the papa bear and the papa will punch the baby and the mother will punch the papa on the head and they all go in the house and get their ice skates and they fall. The mother and father can't skate but the baby can. All tired and they go to bed and the baby goes in the father's bed and the father says get out of here and the mother bear says you can't talk like that and speaks him.

Story 3. -- That's the tiger. Then the principal (?) and the squirrel coming out of the hole and turn him upside down and he'll be first on the floor and say I'm not going to live in this house all smashed to pieces and the tiger is going to eat the mouse for doing it cause the mouse done it.

Story 4. -- The mother said not to bring the bike and the little girl said the mother said okay but don't go on the street. The little girl wanted to get into the milk case and the mother said why and she said I don't know. What can I do with this baby? I'll go home and throw her in bed and the girl wanted to climb a tree to get away from the mother.

Story 5. -- The mother and father hide under the covers cause they think murderers are out and then the baby doesn't have any covers and the baby smashed the light and the mother and father wanted him to and he play ring-around-the-rosy around the crib. A mouse came and took the shoes off and the mother and father said go throw the mouse outside and kill him.

Story 6. -- Boogey mouse in a big, big shack but the baby boogey mouse is in front where he can see but the little baby can't see anything and the mother said you better to get some more eyes cause he didn't have enough and the shack fell and the mother and father put it up and they lived happily ever after.

Story 7. -- The tiger wanted to get the monkey but the monkey don't want him to eat him so he climbed up the tree but the tiger got him before he got up the tree.

Story 8. -- A little girl monkey and mother monkey said I would go out and get the tea but the baby don't drink it and

he would give it to the father and then somebody (pointing to hassock) went home, he lived in the jungle and then the tiger came and ate him.

Story 9.-- That's a bunny. The bunny is in bed but he cant get out of it and he can't get the covers off him and then he jumps out the window and breaks the window and shuts the door but the mother goes in and she looks in the bed and she sees no one there so she jumps out the window and runs after the baby but the baby hides.

Story 10.-- The mother dog is giving the baby dog a spanking cause the baby pulled the towels on the floor and the mother picked up the towel and put him on the pot cause he's so lazy. That's what I do in the house-- I don't pick the towels up. He threw all the papers on the floor in the kitchen.

Protocol 8

Story 1.-- They're eating their dinner. There's soup or something. The mother chicken came in. This chicken doesn't have a bib on, but these two do. They're eating the dinner, but he isn't. (Little baby) He doesn't want to. The mother comes in and she might spank him. Maybe he wants to go outside, but he won't cause he didn't eat his dinner. He feels awful. He might start to cry.

Story 2.-- The two bears are pulling on a rope. And a baby is too. And they might start to fight. They might hurt the little one. A big girl bear and a big boy bear and a baby bear. The mother might come and stop the fight and give them a spanking and send them to bed. But she'll let the baby bear stay in its play yard and play. The children bears feel awful and the baby bear feels happy.

Story 3.-- The lion sitting in his chair smoking a pipe and if anyone comes near him, he'll growl and eat them up. Cause the people might feel awful and be scared. The mouse might come out and the lion might eat him up. That's an old mand lion and a little baby mouse.

Story 4.-- Boy mouse is on a bike and a little baby mouse is in a mother mouse and the little baby mouse is carrying a balloon. She went shopping to get some milk and she has a hat and pocketbook and she saw a house on fire in the woods, so she ran home. The trees burned down. It started to storm, so she ran home fast as she could.

Story 5.-- Mother and father sleeping in crib and two baby bears sleeping in crib and it's stormy out and the window is open and somebody's in the bushes and a big lion knocked

he would give it to the father and then somebody (pointing to
Hassock) went home, he lived in the jungle and then the tiger
came and ate him.

Story 9. -- That's a punny. The punny is in bed but he
cant get out of it and he cant get the covers off him and
then he jumps out the window and breaks the window and shuts
the door but the mother goes in and she looks in the bed and
she sees no one there so she jumps out the window and runs al-
ter the baby but the baby hides.

Story 10. -- The mother dog is giving the baby dog a
spanking cause the baby pulled the towels on the floor and the
mother picked up the towel and put him on the pot cause he's so
lazy. That's what I do in the house -- I don't pick the towels
up. He threw all the papers on the floor in the kitchen.

Protocol 8

Story 1. -- They're eating their dinner. There's soup or
something. The mother chicken says in. This chicken doesn't
have a bit on, but these two do. They're eating the dinner,
but he isn't. (Little baby) He doesn't want to. The mother
comes in and she might spank him. Maybe he wants to go out-
side, but he won't cause he didn't eat his dinner. He feels
awful. He might start to cry.

Story 2. -- The two bears are pulling on a rope. And a
baby is too. And they might start to fight. They might hurt
the little one. A big girl bear and a big boy bear and a
baby bear. The mother might come and stop the fight and give
them a spanking and send them to bed. But she'll let the
baby bear stay in its play yard and play. The children bears
feel awful and the baby bear feels happy.

Story 3. -- The lion sitting in his chair smoking a pipe
and if anyone comes near him, he'll growl and eat them up.
Cause the people might feel awful and be scared. The mouse
might come out and the lion might eat him up. That's an old
man and a little baby mouse.

Story 4. -- Boy mouse is on a bike and a little baby mouse
is in a mother mouse and the little baby mouse is carrying a
balloon. She went shopping to get some milk and she has a
hat and pocketbook and she saw a house on fire in the woods,
so she ran home. The trees burned down. It started to storm,
so she ran home fast as she could.

Story 5. -- Mother and father sleeping in crib and two
baby bears sleeping in crib and it's stormy out and the window
is open and somebody's in the bushes and a big lion knocked

on the door. The baby bear's woke up and ate their breakfast and went outside and someone behind the bushes scared them and they yelled to their mother and mother came outside and the people behind the bushes ran away.

Story 6.-- The bears, mother and baby bear, are out in the woods sleeping. And in the morning they got up and ate their breakfast and went out to play. And the woods are on fire and they ran to another woods.

Story 7.-- It's a monkey coming down and the lion growled and jumped at him and the monkey went up in the tree again. The woods were on fire and the lion got burned up and the monkey ran away. (I had asthma and I had to go to the hospital with pneumonia a long time ago. Now my grandma's in the hospital. My grandpa's sick. He can't go out till his cold's better.)

Story 8.-- Monkeys are drinking tea and the mother is talking to the little baby. They're gonna buy some food. And the other mother monkey is talking to the father monkey. When they came back, the house was on fire 'cause a mouse pulled down a wire. (A store near my house was on fire. It was midnight and the firemen couldn't see. My daddy and mommy told me about it and I was half scared 'cause they had hamburgers and I liked it. The new store has nice food now too.)

Story 9.-- The bunny baby is sleeping in his crib and the mother bunny is in the kitchen. And the mother will go to sleep after, and the father is working. And after, the baby woke up, he had his breakfast and went outside and somebody scared him. And he called the mother and the people shot the mother and the baby. And when the father came home, he saw the people and he ran after them and the people shot the father too.

Story 10.-- Baby dog is getting a spanking from the mother cause he did his john on the floor. Then he went out to play and another dog came along and bit him and beat him up and he went into his house and told his mother and the boy who beat him up got a good spanking.

Protocol 9

Story 1.-- Eating, sitting at the table. None not eating and their home-- the husband ate it all up and they are sitting at the table and they are looking at something and got a napkin round their neck and bowls on the table and sitting on the chairs and putting their wings on the table and holding up the food and one got the wing on the table and holding a spoon and one is talking and the big bowl has something in it and

on the door. The baby bear's woke up and ate their breakfast and went outside and someone behind the bushes scared them and they yelled to their mother and mother came outside and the people behind the bushes ran away.

Story 6.--- The bears, mother and baby bear, are out in the woods sleeping. And in the morning they got up and ate their breakfast and went out to play. And the woods are on fire and they ran to another woods.

Story 7.--- It's a monkey coming down and the lion growled and jumped at him and the monkey went up in the tree again. The woods were on fire and the lion got burned up and the monkey ran away. (I had asthma and I had to go to the hospital with pneumonia a long time ago. Now my grandma's in the hospital. My grandma's sick. He can't go out till his cold's better.)

Story 8.--- Monkeys are thinking tea and the mother is talking to the little baby. They're gonna buy some food. And the other mother monkey is talking to the father monkey. When they came back, the house was on fire, cause a mouse pulled down a wire. (A store near my house was on fire. It was midnight and the fireman couldn't see. My daddy and mommy told me about it and I was half scared 'cause they had hamburgers and I liked it. The new store has nice food now too.)

Story 9.--- The bunny baby is sleeping in his crib and the mother bunny is in the kitchen. And the mother will go to sleep after, and the father is working. And after, the baby woke up, he had his breakfast and went outside and somebody scared him. And he called the mother and the people shot the mother and the baby. And when the father came home, he saw the people and he ran after them and the people shot the father too.

Story 10.--- Baby dog is getting a spanking from the mother cause he did his job on the floor. Then he went out to play and another dog came along and bit him and beat him up and he went into his house and told his mother and the boy who beat him up got a good spanking.

Protocol 9

Story 1.--- Eating, sitting at the table. None not eating and their home-- the husband ate it all up and they are sitting at the table and they are looking at something and got a napkin round their neck and bowls on the table and sitting on the chairs and putting their wings on the table and holding up the food and one got the wing on the table and holding a spoon and one is talking and the big bowl has something in it and

and the big chicken near the table. Square table-- big chicken is looking at the birds.

Story 2.-- One bear pulling the rope and one bear is going to fall down off the hill (the big one). The little bear is on the end of the rope and rocks on the hill and standing on the rocks. The little one is crying because he is on the end of the rope and one of them has a little thing on his tail (big solitary one) and one got and ear down and one up and this one wins (one with the baby) and baby glad because she is on the side with the winner.

Story 3.-- Big fat lion sitting in a chair and mouse coming in a hole and he has a cane on his chair. Lion is mad because he can see something in the room. He is going to eat him up. Mouse is going into the room and him (lion) going to eat him up. Lion has pipe in his hand and tail is hanging on the floor. Hole under his chair. The lion got long hair on his head. Feet on the rug.

Story 4.-- Baby girl on bike. Mother got some milk in her basket and got little baby in the pocket. Going somewhere. To their grandmothers. All are happy. Going to eat. One holding a balloon Mother got a pocketbook on and mother got hat on top of her head. Flower on top of the hat. Trees something on top of tree, a duck. And going to work in a garden. Mother jumping up and down and baby holding on bike with one hand and bike going to get stuck in the sand and baby going to kick it over to make it go again.

Story 5.-- Little kitty in the crib and windows near the bed and lamp. And when the big bears go to bed they will put the lamp off. The little kittens are tired and baby bear under the blanket so he wont get cold. Bed standing on the floor and no pillows on the bed. The baby bear climb out of the crib and sleep on the mother bed and one out under the blanket and one is. And the big curtain is hanging on the floor and something under the blankets of the bed. Maybe a little girl sleeping. When the kids get up they will put the lamp on.

Story 6.-- The bears sleeping. The baby bear sleeping. Sleep on the ground and just one thing under Mother bear. And then can see the baby bear's paws.

Story 7.-- Monkey and a lion and tiger trying to eat the monkey up and the lion ain't on the ground and the monkey going to climb up a tree and if the monkey doesn't hurry the tiger will eat him up. The tiger eats monkey up. Monkey feels relieved, doesn't like to be eaten. Lion has tail round tree. Tiger feels like eating the monkey.

Story 8.-- Father monkey pointing to the baby monkey. Go outside and play. Baby monkey says he will go outside and hide

and the big chicken near the table. Square table-- big chicken is looking at the birds.

Story 2. -- One bear pulling the rope and one bear is going to fall down off the hill (the big one). The little bear is on the end of the rope and rocks on the hill and standing on the rocks. The little one is crying because he is on the end of the rope and one of them has a little thing on his tail (big solitary one) and one got and ear down and one up and this one wins (one with the baby) and baby glad because she is on the side with the winner.

Story 3. -- Big fat lion sitting in a chair and mouse coming in a hole and he has a cane on his chair. Lion is mad because he can see something in the room. He is going to eat him up. Mouse is going into the room and him (lion) going to eat him up. Lion has pipe in his hand and tail is hanging on the floor. Hole under his chair. The lion got long hair on his head. Feet on the rug.

Story 4. -- Baby girl on bike. Mother got some milk in her basket and got little baby in the pocket. Going somewhere. To their grandmother. All are happy. Going to eat. One holding a balloon. Mother got a pocketbook on and mother got hat on top of her head. Flower on top of the hat. Press something on top of trees, a duck. And going to work in a garden. Mother jumping up and down and baby holding on bike with one hand and bike going to get stuck in the sand and baby going to kick it over to make it go again.

Story 5. -- Little Kitty in the crib and windows near the bed and lamp. And when the big bears go to bed they will put the lamp off. The little kittens are tired and baby bear under the blanket so he won't get cold. Bed standing on the floor and no pillows on the bed. The baby bear climb out of the crib and sleep on the mother bed and one out under the blanket and one is. And the big curtain is hanging on the floor and something under the blankets of the bed. Maybe a little girl sleeping. When the kids get up they will put the lamp on.

Story 6. -- The bears sleeping. The baby bear sleeping. Sleep on the ground and just one thing under Mother bear. And then can see the baby bear's paws.

Story 7. -- Monkey and a lion and tiger trying to eat the monkey up and the lion ain't on the ground and the monkey going to climb up a tree and if the monkey doesn't hurry the tiger will eat him up. The tiger eats monkey up. Monkey feels like eating the monkey. Lion has tail round tree.

Story 8. -- Father monkey pointing to the baby monkey. Go outside and play. Baby monkey says he will go outside and hide

Picture of a grandmother monkey and another two monkeys drinking coffee on the couch. They are drinking fast. Door. Baby monkey glad. Father monkey feels like sitting down. Feels like talking to the baby monkey. Two monkeys listening. Grandmother monkey has glasses on. One monkey have no saucer.

Story 9.-- Little bunny in the crib and the crib is broken and the door is open and the window is opened. Big thing on door and the little bunny is asleep. He likes the room. When bunny wakes up he is going to turn the light on. The little bunny doesn't like the dark. Ground outside and rug near the door.

Story 10.-- Puppy has go to bathroom and the big puppy can't let him go. So he wets the floor and she gets on toilet and goes. The little puppy getting on the floor and the big puppy sitting on the chair and the towel hanging up.

Protocol 10

Story 1.-- Little chickies eating some spaghetti and they are sitting at the table and they all have spoons up and they all have bowls. Table cloth and table. Chickies feel nice because they have some spaghetti to eat.

Story 2.-- Some bears pulling rope on the sand and the little bear. Rope has two knots in it and they have ears and they're pulling rope because they're fighting. They're fighting because they want the rope. The baby wins and the others lose. And they cry and the little bear feels happy and just sleepy and so he went to bed.

Story 3.-- Lion-- I won't get off the chair-- has a cane and looks like a cane in a chair. Rug, feet, mouse in that little hole. Chairs painted and seat covers, pipe. Feeling sad because he wants the queen to come. The mouse is the queen. Mouse feels awful because he doesn't want to go near the lion because lions are rough.

Story 4.-- Kangaroos. They are going to a store. Little boy has a bicycle and then other kangaroo has a balloon. Pocket book, hat and tree. They have buy some food. Going to go home again. Feel fine. Eat and go to bed.

Story 5.-- No babies in the big bed. Bed, bureau, table, blanket, baby crib. Some little cats. Rugs and floor. Playing ring around rosies. Feel awful and nice because they have to go to bed, because they are bad. They didn't go to sleep and they are still bad. Will go to sleep and they get up and they are good.

Picture of a Grandmother monkey and another two monkeys drinking coffee on the couch. They are drinking fast. Poor. Baby monkey afraid. Father monkey feels like sitting down. Feels like talking to the baby monkey. Two monkeys listening. Grandmother monkey has glasses on. One monkey have no answer.

Story 9. -- Little bunny in the crib and the crib is broken and the door is open and the window is opened. Big thing on floor and the little bunny is asleep. He likes the room. When bunny wakes up he is going to turn the light on. The little bunny doesn't like the dark. Ground outside and rug near the door.

Story 10. -- Puppy has go to bathroom and the big puppy can't let him go. So he wets the floor and she gets on toilet and goes. The little puppy getting on the floor and the big puppy sitting on the chair and the towel hanging up.

Protocol 10

Story 1. -- Little chickens eating some spaghetti and they are sitting at the table and they all have spoons up and they all have bowls. Little chicken and table. Chickies feel nice because they have some spaghetti to eat.

Story 2. -- Some bears pulling rope on the sand and the little bear. Rope has two knots in it and they have ears and they're pulling rope because they're fighting. They're fighting because they want the rope. The baby wins and the others lose. And they cry and the little bear feels happy and just sleepy and so he went to bed.

Story 3. -- Lion -- I won't get off the chair -- Has a cane and looks like a cane in a chair. Rug, feet, mouse in that little hole. Giraffe painted and seat covers, pipe. Feeling sad because he wants the queen to come. The mouse is the queen mouse feels awful because he doesn't want to go near the lion because lions are rough.

Story 4. -- Kangaroos. They are going to a store. Little boy has a bicycle and then other kangaroo has a balloon. Pocket book, hat and tree. They have buy some food. Going to go home again. Feel fine. Hat and go to bed.

Story 5. -- No babies in the big bed. Bed, bureau, table, blanket, baby crib. Some little cats. Rugs and floor. Playing ring around roses. Feel awful and nice because they have to go to bed, because they are bad. They didn't go to sleep and they are still bad. Will go to sleep and they get up and they are good.

Story 6.-- A little bear and someones coming. And then a big tree and the little bear wakes up and sees someone coming and he wakes up his pappa and mamma and they get up and chase him away.

Story 7.-- A tiger and monkeys in trees, flowers, and another tiger, trees, and some grass, and another tiger. Tiger running. Someone came into his house and now he is going to run after him. Catches him and puts him in jail and goes back and goes to bed.

Story 8.-- Four monkeys. There must be five monkeys. Because one on the picture. Her husband is talking and that little boy is bad and his father is telling him to be quiet or go to bed. Talk and have a cup of tea and then go home. But they are not going to go to sleep. They stay up and talk about music. That's all.

Story 9.-- Little rabbit (I want him home). Floor, bed, some windows, lamp, curtains. Little rabbit is in bed he's covered up and his is staying in bed. And he is awake. He is looking out the door. He sees his mummy and then his mummy comes in and puts him back to sleep. Very sad because he does not sleep. He wants to stay up with his mother.

Story 10.-- Some dogs. He's giving the dog a spanking. Sitting on stool, towel, toilet. Little thing to flush. Little boy crying. He is going to go to bed and his father is turning off the lights. And his father's going to bed too. He was getting a spanking because he was a bad, bad boy. He broke one lamp. Father is going to sleep because he didn't want the little baby to cry.

Protocol 11

Story 1.-- A rooster and some chickens and some dishes. They're having their supper and the rooster is watching them.

Story 2.-- They're pulling on the string-- go down the hill-- break the string.

Story 3.-- The lion is sitting down and smoking his pipe and there's a mouse in the hole and he's got his cane. (He refers to lion)

Story 4.-- Foxes are riding on a bike and they're going on a picnic and there's a balloon, lunchbox and the baby kangaroo is in the mothers pocket with a balloon.

Story 5.-- Two teddy bears asleep, the other bed, the rug and the window sill and the crib. They sleep at night...it's

Story 6. -- A little bear and someone coming. And then a big tree and the little bear wakes up and sees someone coming and he wakes up his capos and nanna and they get up and chase him away.

Story 7. -- A tiger and monkeys in trees, flowers, and another tiger, trees, and some grass, and another tiger. Tiger running. Someone came into his house and now he is going to run after him. Gatoos him and puts him in jail and goes back and goes to bed.

Story 8. -- Four monkeys. There must be five monkeys. Be- cause one on the picture. Her husband is talking and that little boy is bad and his father is telling him to be quiet or go to bed. Talk and have a cup of tea and then go home. But they are not going to go to sleep. They stay up and talk about music. That's all.

Story 9. -- Little rabbit (I want him home). Floor, bed, some windows, lamp, curtains. Little rabbit is in bed he's covered up and he is staying in bed. And he is awake. He is looking out the door. He sees his mummy and then his mummy comes in and puts him back to sleep. Very sad because he does not sleep. He wants to stay up with his mother.

Story 10. -- Some dogs. He's giving the dog a spanking. Sitting on stool, towel, toilet. Little thing to finish. Little boy crying. He is going to go to bed and his father is turning off the lights. And his father's going to bed too. He was getting a spanking because he was a bad, bad boy. He broke one lamp. Father is going to sleep because he didn't want the little baby to cry.

Protocol 11

Story 1. -- A rooster and some chickens and some dishes. They're having their supper and the rooster is watching them.

Story 2. -- They're pulling on the string-- go down the hill-- break the string.

Story 3. -- The lion is sitting down and smoking his pipe and there's a mouse in the hole and he's got his cane. (He refers to lion)

Story 4. -- Foxes are riding on a bike and they're going on a picnic and there's a balloon, lunchbox and the baby kangaroo is in the mother's pocket with a balloon.

Story 5. -- Two teddy bears asleep, the other bed, the rug and the window all and the crib. They sleep at night... it's

dark outside.

Story 6.-- Those mice asleep in the hole in the tree and they sleep at night in the tree.

Story 7.-- There's a tiger getting after the monkey and the monkey is climbing a tree and the tiger is running. The tiger wants to eat up the monkey and the monkey wants to climb the tree so he can get away. The monkey got ate up.

Story 8.-- The monkeys having a party and they're drinking coffee and the granma monkey is telling a story to the baby monkey. There's a picture on the wall.

Story 9.-- The baby rabbit is asleep in his bedroom and he's sitting up at night and there's the mirror and the door open. The rabbit is asleep.

Story 10.-- The two dogs are in the bathroom and the dogs taking a shower and the other dog is drying him. The toilet's there and the bathtub and the big dog is sitting down.

Protocol 12

Story 1.-- They have three little ducklings and they're eating and they have a spoon in their hands and they have a bowl and they have a big dish in the middle of the table and only two have bibs and up here is the hen. Once upon a time there were three little ducklings and mother hen. No, it's a rooster and ducklings. I don't think they like what they're eating. And mother hen said if you eat that you'll have something you like for dinner. That night it was Christmas Eve, he wanted a scooter, all wanted a scooter and all wanted a bicycle and they all wanted a new bed and dresser and chair and it was morning. The three little ducklings were so happy they jumped up and down and up and down and their mother said "Stop it or else I'll take toys back."

Story 2.-- Here are some bears. The father and mother and baby that day they was playing tug-of-war. Baby bear said, "I'm getting tired" so mother and father said, "we won't play this no more." So father and mother and baby bears said, "Let's make a swing." So father made it. "Before we do it," said mother, "let's go in and have a hot cup of cocoa." Now it was night and father said, "Baby, go to bed." "Mother," father said, "go to bed." And father said, "Mother bear, go to bed." He said it twice because mother did not behave. Then he said, "I'll go to bed." He even had to tell himself to go to bed.

Story 3.-- Father lion said, "Come out mother and baby, because I want to build a seesaw and will buy baby a scooter cause he has been so good today." Now he rolled it on his driveway.

Story 4.-- Father Kangaroo, mother and baby got on a bicycle, rode it while father hopped on basket with baby in his pouch with balloon. "We are at picnic grounds," said mother. "Let's eat now." Baby hopped out of father's pouch. Baby said, "could I ride the bike." We are going home now; we are home. "Go to bed," said father. It was getting near Christmas and father wanted to wrap presents and father went to bed.

Story 5.-- Here are two beds. They are very good. One teddy bear is in the little bed. The bigger bear came in and said, "Get up now."

Story 6.-- Here was a den, neat and good with three bears. Father, mother and baby. It is night. Everyone was sound asleep. I like the picture very much. It is morning now. The bears cry because they don't like morning. Their eyes are too tired. So they went back in the den and dug a very deep hole and they all crawled in it. It was dark. They like it there. Good night.

Story 7.-- One tiger chased another tiger this day. The monkey was trying to climb a tree. Mother said, "Hurry up, I love you very much and so I won't let that old tiger eat you. Goodbye children."

Story 8.-- There was four little monkeys. Father, mother, and baby. It is night. There was a big brother twelve years old named Dickie and the baby named Sue. There was a picture on the wall of one of the monkey family. They are at a party so baby monkey is told by father, "Go to bed, and brother, you better rest on the couch and mother, if you are tired you go rest on the couch." Father fixed the car so they could go on a picnic the next day and when he came in everyone was in bed.

Story 9.-- The Bunny is sick or tired. Mother came up and said, "You must take your medicine," but he said, "No, no, no, no, no." Mother said, "The doctor is coming and he'll make you take it, and here he comes." And Bunny said, "No, no, no." It is night. "All right. You have to go to the hospital." And the ambulance came and that was the end of him.

Story 10.-- The little dog was named Tippie so the big one was named Rustie, and they had a grand time. When they had to go to the bathroom they went inside instead of outside. They was tricky dogs. They washed their paws in the bathtub. Their mother said, "You're not staying here, so I'm going to build you a new house outside and you'll have everything we have inside."

Story 3. -- Father Lion said, "Come out mother and baby, because I want to build a seesaw and will buy baby a scooter because he has been so good today." Now he rolled it on his driveway.

Story 4. -- Father Kangaroo, mother and baby got on a bicycle, rode it while father hopped on basket with baby in his pouch with balloon. "We are at picnic grounds," said mother. "Let's eat now." Baby hopped out of father's pouch. Baby said, "Could I ride the bike?" We are going home now; we are home. "Go to bed," said father. It was getting near Christmas and father wanted to wrap presents and father went to bed.

Story 5. -- Here are two beds. They are very good. One teddy bear is in the little bed. The bigger bear came in and said, "Get up now."

Story 6. -- Here was a den, nest and good with three bears. Father, mother and baby. It is night. Everyone was sound asleep. I like the picture very much. It is morning now. The bears cry because they don't like morning. Their eyes are too tired. So they went back in the den and dug a very deep hole and they all crawled in it. It was dark. They like it there. Good night.

Story 7. -- One tiger chased another tiger this day. The monkey was trying to climb a tree. Mother said, "Hurry up, I love you very much and so I won't let that old tiger eat you. Goodbye children."

Story 8. -- There was four little monkeys. Father, mother and baby. It is night. There was a big brother twelve years old named Pickle and the baby named Sue. There was a picture on the wall of one of the monkey family. They are at a party so baby monkey is told by father, "Go to bed, and brother, you better rest on the couch and mother, if you are tired you go rest on the couch." Father liked the car so they could go on a picnic the next day and when he came in everyone was in bed.

Story 9. -- The Bunny is sick or tired. Mother came up and said, "You must take your medicine," but he said, "No, no, no, no, no." Mother said, "The doctor is coming and he'll make you take it, and here he comes." And Bunny said, "No, no, no." It is night. "All right. You have to go to the hospital." And the ambulance came and that was the end of him.

Story 10. -- The little dog was named Tipple so the big one was named Rustle, and they had a grand time. When they had to go to the bathroom they went inside instead of outside. They were prickly dogs. They washed their paws in the bathtub. Their mother said, "You're not staying here, so I'm going to build you a new house outside and you'll have everything we have inside."

Protocol 13

Story 1.-- The chicks are eating dinner. Their mother is looking at them. She's watching them eat. She wants them to eat all their dinner. They will get a spanking if they don't eat everything. They eat everything.

Story 2.-- They are pulling a rope. A bear is helping baby pull the rope. Daddy is helping baby. Daddy and baby will pull the rope and the other bear will fall down. The mother will cry when she falls. She'll get hurt.

Story 3.-- The lion is dressed like a grandpa. He's sitting down. A bear will come along and growl at him. He won't think it's a bear; he'll think it's a man. The mouse is scared. The lion will eat him. The lion will kill the mouse and eat him. The lion will get scratched from the mouse.

Story 4.-- The sheep are walking. The mother sheep is running. The brother sheep is riding on his bike. The baby sheep is holding a balloon. The balloon might break. The mother will scold the baby. The baby will fall and go into the water. The mother will go in after the baby and get drowned too. The brother will get scared and someone will come and take him away. They'll put him in a cage. He'll be scared.

Story 5.-- Two bears are sleeping. The mother and the father bear are sleeping. They didn't pull down the shades. Someone might peek into the window. The little one is scared. The father and mother will get up and shoo the one who is peeking into the window.

Story 6.-- The father, mother and the baby are sleeping outside in the woods. A lion will come along. They'll get scared. The lion will growl at them. Another lion will come and he'll come after them. They'll get scared and run into their house. The baby will get eaten "cuz" he can't run fast.

Story 7.-- The lion is trying to eat the monkey. The lion is jumping after him. The monkey is trying to get up the tree. The lion is mad. The monkey is scared. The monkey sees the lions teeth. He doesn't like the lions teeth. He's scared. The monkey will get eaten up.

Story 8.-- The mother bear, the father bear, the little baby bear, monkey---I mean. They are sitting down. The mother monkey is whispering to the father monkey. He's saying that the baby one is stupid. He doesn't have eyes like we have. Daddy said, "Never mind." Mummy said, "Oke, I won't." Then they had the party.

Story 9.-- The baby rabbit sees something. He sees a

Protocol 13

Story 1. -- The chicks are eating dinner. Their mother is looking at them. She's watching them eat. She wants them to eat all their dinner. They will get a spanking if they don't eat everything. They eat everything.

Story 2. -- They are pulling a rope. A bear is helping baby pull the rope. Daddy is helping baby. Daddy and baby will pull the rope and the other bear will fall down. The mother will cry when she falls. She'll get hurt.

Story 3. -- The lion is dressed like a gramp. He's sitting down. A bear will come along and growl at him. He won't think it's a bear; he'll think it's a man. The mouse is scared. The lion will eat him. The lion will kill the mouse and eat him. The lion will get scratched from the mouse.

Story 4. -- The sheep are walking. The mother sheep is running. The brother sheep is riding on his bike. The baby sheep is holding a balloon. The balloon might break. The mother will scold the baby. The baby will fall and go into the water. The mother will go in after the baby and get drowned too. The brother will get scared and someone will come and take him away. They'll put him in a cage. He'll be scared.

Story 5. -- Two bears are sleeping. The mother and the father bear are sleeping. They didn't pull down the shades. Someone might peak into the window. The little one is scared. The father and mother will get up and shoot the one who is peaking into the window.

Story 6. -- The father, mother and the baby are sleeping outside in the woods. A lion will come along. They'll get scared. The lion will growl at them. Another lion will come and he'll come after them. They'll get scared and run into their house. The baby will get eaten "cuz" he can't run fast.

Story 7. -- The lion is trying to eat the monkey. The lion is jumping after him. The monkey is trying to get up the tree. The lion is mad. The monkey is scared. The monkey sees the lions teeth. He doesn't like the lions teeth. He's scared. The monkey will get eaten up.

Story 8. -- The mother bear, the father bear, the little baby bear, monkey -- I mean. They are sitting down. The mother monkey is whispering to the father monkey. He's saying that the baby one is stupid. He doesn't have eyes like we have. Daddy said, "Never mind." Mummy said, "Oke, I won't." Then they had the party.

Story 9. -- The baby rabbit sees something. He sees a

bear. He got scared. He's scared of the bear. He's afraid the bear will eat him up. The rabbit doesn't like it. The rabbit will scratch him. The bear will try to eat him up. The rabbit will run and get mummy and daddy.

Story 10.-- The mother dog is taking the baby dog to the bathroom. The baby dog is saying, "Bow-wow." The mother dog is making him go to the bathroom. The baby dog doesn't have to go. The mother dog is getting cross. She'll get real cross. She'll spank him and he'll cry hard.

Protocol 14

Story 1.-- It could be Goldilocks and the three bears.

Story 2.-- That could be the three bears playing. They're pulling the rope from the mother bear. She's got most of the rope.

Story 3.-- It could be a lion sitting down. He's thinking about something. I don't know anything else.

Story 4.-- One is a mother reindeer and a baby one and she's coming back from the store. The baby one is riding on a bicycle.

Story 5.-- That's a crib and the little bears are sleeping in it. That's a bed and people are sleeping in that bed.

Story 6.-- Those are little bears sleeping in a blanket and this (in foreground) is a baby one and that's a mother one.

Story 7.-- That's a tiger chasing a little monkey. The tiger almost gets the monkey. That's all.

Story 8.-- That's a sister monkey (small one) with father monkey and brother and mother on couch. The father is doing something to the sister. I think the father gets mad at the little girl.

Story 9.-- That's a little bunny sleeping in a bed and the door is open and the little bunny is peeking out the door.

Story 10.-- These are little doggies. The father dog and the little girl dog. The father is spanking the little girl dog and he's bow-wowling.

Protocol 15

Story 1.-- Them little chickens are eating. They don't have no things to lean back on. The hen is looking at them. I think the hen wants some. They're different from people cause they're chickens.

Story 2.-- Papa bear, baby bear and mama bear and they're pulling a rope. I don't know why they're pulling a rope, but they're pulling it. The baby bear behind the papa bear and they're different from people cause they're bears. The mama bear is winning. She is going to fall and if the papa bear lets go she'll flop. That's what I do with my sister. I let go and she goes flop.

Story 3.-- This is a lion and he is sitting in a chair and there's a little pig looking at him that the lion is smoking a cigar and he has a can and he's thinking what to do. A little dog is peeking under the rug and the lion don't know it and the lion is thinking what to do and he's different from all other people and he eats them up and growls. And the lion looks like a old man and he ain't got no shoes on.

Story 4.-- That's an easyone. No it ain't cause I don't know what it is. They're three sheep. One sheep in the mommy's stomach. They're going on a picnic and the one on the bike right behind them and the one peeking out of the mommy's stomach got a balloon and there's threes and sand. And I'm saying it again, these are different from the other people.

Story 5.-- That's a crib and teddy bears sleeping in it. And there's a big bear and a lamp, and there is no shade on the window and there's kids out there and it's cold outside.

Story 6.-- Well, they're two bears. I would say that a mother bear taking a baby bear for a walk and I would say they layed down for a rest. It's a nice shady place and the leaves are falling, and the baby bear keeps his eyes open to see if anyone chops them up.

Story 7.-- There's a lion trying to get a monkey in the jungle and there's leaves and trees so the monkey can climb, and the lion said, "Nyahh," and the monkey doesn't want to get eat up and he climbs the tree and a lot of leaves falling down. The lion's got all stripes on him.

Story 8.-- The daddy bear and the mother bear and the baby bear and I think this is the little monkey and the mother mother monkey talking to the little girl and having a cup of coffee. There's a picture of mummy monkey and it's not square, it's round, and the couch has pretty pictures on it. Apples, leaves. There's a door right here.

Story 9.-- There's a little bunny and his crib and here's the door and there's nine windows and the curtains on them and the house is all dark cause it's night and the baby got up and I think he got a little frightened cause it was dark and he thought somebody would come in but the doors was locked, and nobody would come in, and it was him knocking and making the noise. If I had windows in my room, I have a window but I sleep with my sisters.

Story 10.-- Mother and baby and the daddy puppy is at work and there's a stool in the bathroom and the mommy's sitting on it. There's a bathtub and it looks like there's no sink.

Sitting on high stool. Table boards under it. Rooster. Chickens live on a farm. Cows, horses, sheeps. Farmer takes in the hay.

Story 11.-- Bears pushing a rope. Breaking it. Strong, strong bears. We got woods with bears in it. Little bear. Big bear on a mountain. My father killed a skunk last week. Tiger and bear too. We eat a bear from woods for lunch. We will say forest. I hope my daddy lets me have a knife and lets me go out.

Story 12.-- Tiger sitting on chair. Pipe and cane. I see something. A mouse. Looking through a hole. The silly tiger. We saw the slip-top circus. Gorilla, tiger, witch. Tiger, pipe, cane, tail, eyes, nose, ears. He feels bad because he is sitting in an old chair and he likes to go home and see father and mother and other tigers. He likes to go home and eat supper.

Story 13.-- Kangaroo taking bottle and lunch. Other Kangaroos. Hat, pocketbook. Little girl riding on the bike. Little kangaroo got a balloon. Here's a tree. Going off into the woods to eat. On a picnic. Got two tails. Sitting in little back seat. You think. See them hop. Strong legs on a bike. I got a bike at home and I can ride it in the yard. I got a big boy friend Billy. Little baby wants to ride a bike. He can't ride. He's going to run over him. (One on bike going to ride over one in the pocket).

Story 14.-- Two little teddy bears sleeping in the crib. Two of them. The kids are under the blanket. Leap. Outside dark. It's raining. Two little teddy bears went to sleep. Slept and slept until the alarm clock was to ring. I am afraid of that clock in the morning. Charlie never wakes up when the alarm rings.

Story 15.-- Cats. Skunk at home. Burrow nest. Kitty cats. Leaves dropping off the tree. Sleeping fast awake. Time she awake. Why doesn't he go out. I am a strong little boy now, I climb trees.

Story 9.--- There's a little bunny and his crib and here's the door and there's nine windows and the curtains on them and the house is all dark cause it's night and the baby got up and I think he got a little frightened cause it was dark and he thought somebody would come in but the door was locked, and nobody would come in, and it was him knocking and making the noise. If I had windows in my room, I have a window but I sleep with my sisters.

Story 10.--- Mother and baby and the daddy bunny is at work and there's a stool in the bathroom and the mommy's sitting on it. There's a bathtub and it looks like there's no sink.

TEST PROTOCOLS

Articulation Boys

Protocol 1

Story 1.-- Chickies, stew, baby, mother, boy, father. Sitting on high stool. Table boards under it. Rooster. Chickens live on a farm. Cows, horses, sheeps. Farmer takes in the hay.

Story 2.-- Bears pushing a rope. Breaking it. Strong, strong hands. We got woods with bears in it. Little bear. Big bears on a mountain. My father kills a skunk last week. Tiger and bear too. We eat a bear from woods for lunch. We kill any insect. I hope my daddy lets me have a knife and lets me go out.

Story 3.-- Tiger sitting on chair. Pipe and cane. I see something. A mouse. Looking through a hole. The silly tiger. We saw the tip-top circus. Gorilla, tiger, witch. Tiger, pipe, cane, tail, eyes, nose, ears. He feels bad because he is sitting in an old chair and he likes to go home and see father and mother and other tigers. He likes to go home and eat supper.

Story 4.-- Kangaroo taking bottle and lunch. Other Kangaroos. Hat, pocketbook. Little girl riding on the bike. Little kangaroo got a balloon. Here's a tree. Going off into the woods to eat. On a picnic. Got two tails. Sitting in little back seat. You think. See them hop. Strong legs on a bike. I got a bike at home and I can ride it in the yard. I got a big boy friend Billy. Little baby wants to ride a bike. He can't ride. He's going to run over him. (One on bike going to ride over one in the pocket).

Story 5.-- Two little teddy bears sleeping in the crib. Two of them. The kids are under the blanket. Lamp. Outside dark. It's raining. Two little teddy bears went to sleep. Slept and slept until the alarm clock has to ring. I am afraid of that clock in the morning. Charlie never wakes up when the alarm rings.

Story 6.-- Cats. Skunk at home. Burrow nest. Kitty cats. Leaves dropping off the tree. Sleeping fast awake. Time one awake. Why doesn't he go out. I am a strong little boy now, I climb tree.

Story 7.-- Tiger. Tiger, grab, hurry up Mr. Man, chop his teeth, drop dead. Tiger been hiding behind tree and man walked by and tiger has shapr teeth and grab. Tiger got sharp teeth and claws. Tiger eats man, bites him all up and then tiger goes after the monkey. In circus we saw tiger. On T.V. we saw two monkeys and a tiger and monkey so afraid.

Story 8.-- Monkeys again. Talk. Mother and daddy have coffee. Mother talking, little boy and daddy and grandpa having coffee. Mummy said, "You behave yourself if not you don't sit down and watch T.V.".

Story 9.-- Laughed. Little rabbit sitting in a crib. Sitting up and nobody tells him to lay down. Lights on and the doors pushed open. Why doesn't someone close the door? It's late. Have to get up early.

Story 10.-- Three little puppies. Big puppy spanking him. (Little boy). Somebody knocking on door. Crying. Crying. Little boy hasn't done nothing wrong. Hasn't washed himself. He late. Cried. Nice eyes. We got Rusty. He bite everybody around here. Mother told him to stop. Boy kill my dog with his knife. I kill them back though Rusty did not bite him.

Protocol 2

Story 1.-- They are eating. They are ducks. They are eating pudding. The father is watching the ducks. They could break the dishes. If they break the dishes the father will spank them.

Story 2.-- They are the father, mother, and the baby bear. They are climbing the rope. The father and mother will fall down. They'll hurt themselves. The baby will go and get them and help them.

Story 3.-- The lion is smoking his pipe. He's going from his chair. He'll try to climb up. He'll fall down again. He go away to the jungle.

Story 4.-- They are going to see Santa Claus. They are in a hurry. It's raining. Mummy said to hurry up. The boy said, "I'll hurry." "I want to get to see Santa Claus."

Story 5.-- The children are going to break out of the window. The chickens are out in the yard. The children want to kill them and eat the chickens. Then they'll go back to bed. They won't tell their mother and father.

Story 6.-- The bears are going to sleep. Something exploded and the bears ran away. They went back to the jungle.

Story 7. -- Tiger. Tiger, grab, hurry up Mr. Man, chop his teeth, chop dead. Tiger been hiding behind tree and man walked by and tiger has sharp teeth and grab. Tiger got sharp teeth and claws. Tiger eats man, bites him all up and then tiger goes after the monkey. In circus we saw tiger. On T.V. we saw two monkeys and a tiger and monkey so afraid.

Story 8. -- Monkeys again. Talk. Mother and daddy have coffee. Mother talking, little boy and daddy and grandpa having coffee. Mummy said, "You behave yourself if not you don't sit down and watch T.V."

Story 9. -- Laughed. Little rabbit sitting in a crib. Sitting up and nobody tells him to lay down. Lights on and the doors pushed open. Why doesn't someone close the door? It's late. Have to get up early.

Story 10. -- Three little puppies. Big puppy spanking him. (Little boy). Somebody knocking on door. Crying. Crying. Little boy hasn't done nothing wrong. Hasn't washed himself. He late. Cried. Nice eyes. We got busy. He bite everybody around here. Mother told him to stop. Boy kill my dog with his knife. I kill them back though busy did not bite him.

Protocol 2

Story 1. -- They are eating. They are ducks. They are eating pudding. The father is watching the ducks. They could break the dishes. If they break the dishes the father will spank them.

Story 2. -- They are the father, mother, and the baby bear. They are climbing the rope. The father and mother will fall down. They'll hurt themselves. The baby will go and get them and help them.

Story 3. -- The lion is smoking his pipe. He's going from his chair. He'll try to climb up. He'll fall down again. He go away to the jungle.

Story 4. -- They are going to see Santa Claus. They are in a hurry. It's raining. Mummy said to hurry up. The boy said, "I'll hurry." "I want to get to see Santa Claus."

Story 5. -- The children are going to break out of the window. The chickens are out in the yard. The children want to kill them and eat the chickens. When they'll go back to bed. They won't tell their mother and father.

Story 6. -- The bears are going to sleep. Something exploded and the bears ran away. They went back to the jungle.

They were afraid. Trees were knocked down in the jungle. They were afraid. They pushed trees in grass. They got in the jungle and they weren't afraid any more.

Story 7.-- The tiger is going after the monkey. He's going to eat him up. The monkey is climbing the tree. The tiger won't get the monkey. The monkey will be up too high.

Story 8.-- The father told the boy to go to sleep. The boy wanted to play. He asked to stay up longer. The father let him.

Story 9.-- The rabbit is going to sleep. It's dark. He's afraid of the dark. He's afraid of bears. He'll go to sleep. The bear will come in the window and eat him up.

Story 10.--- The baby dog hid someplace. Someone was coming after him. It was a bear. Daddy come and found him. Daddy took him to the bathroom. Daddy will put him on the toilet. Then Daddy will put him to bed.

Protocol 3

Story 1.-- The three chickens were waiting for the food. And they're sitting at the table on a bench and there's wood all around the table and a table cloth on it. They pick the spoon up and wait for the food and eggs too. There's a big chicken. Three little one's had a dream. They're waiting for the food and for the mother. They have a little house to live in. The mother came in and she's too fat. Three chicks still waiting for food. They were happy. They had a table cloth. There was one little bowl and three little ones. They want to eat right now.

Story 2.-- The mother bear and baby bear (together) and the father bear are pulling the rope on a big rock. The little bear got an idea, he'll push the father and the father will fall down the rock and hurt himself. The little bear was walking and he wanted to pound the father on the head. The little bear went home and took the rope with him.

Story 3.-- There was a little mouse -- 'cause the lion was mad -- 'cause there was a little hole. He wanted to get rid of the hole and the mouse. He started smoking--his tail on the floor--his hand on his chin.

Story 4.-- Mother kangaroo went to get some milk. The little boy rides his bike to the store. The mother's hat might come off so she holds it and the little boy holds a balloon. They're going to the store to get milk and they don't want to

They were afraid. Trees were knocked down in the jungle. They were afraid. They burned trees in grass. They got in the jungle and they weren't afraid any more.

Story 7. -- The tiger is going after the monkey. He's going to eat him up. The monkey is climbing the tree. The tiger won't get the monkey. The monkey will be up too high.

Story 8. -- The father told the boy to go to sleep. The boy wanted to play. He asked to stay up longer. The father let him.

Story 9. -- The rabbit is going to sleep. It's dark. He's afraid of the dark. He's afraid of bears. He'll go to sleep. The bear will come in the window and eat him up.

Story 10. -- The baby got his somersault. Someone was coming after him. It was a bear. Daddy came and found him. Daddy took him to the bathroom. Daddy will put him on the toilet. Then Daddy will put him to bed.

Protocol 2

Story 1. -- The three chickens were waiting for the food. And they're sitting at the table on a bench and there's wood all around the table and a table cloth on it. They pick the spoon up and wait for the food and eggs too. There's a big chicken. Three little ones had a dream. They're waiting for the food and for the mother. They have a little house to live in. The mother came in and she's too fat. Three chicks still waiting for food. They were happy. They had a table cloth. There was one little bowl and three little ones. They want to eat right now.

Story 2. -- The mother bear and baby bear (together) and the father bear are pulling the rope on a big rock. The little bear got so tired, he'll crush the father and the father will fall down the rock and hurt himself. The little bear was walking and he wanted to pound the father on the head. The little bear went home and took the rope with him.

Story 3. -- There was a little mouse -- because the lion was mad -- because there was a little hole. He wanted to get rid of the hole and the mouse. He started smoking--his tail on the floor--his hand on his chin.

Story 4. -- Mother kangaroo went to get some milk. The little boy likes his bike to the store. The mother's cat might come off so she holds it and the little boy holds a balloon. They're going to the store to get milk and they don't want to

fall in the water. They feel awful 'cause they all have a cold. The father went to work and left them home. The father has a cold but he can't stay in bed 'cause he has to work.

Story 5--- The house was dark. The baby can't get out of the bed 'cause he has a cold. The mother has a cold and she might stay in bed too. The baby is sleeping in his crib and has a dream about his mother---'cause he kissed her every time. He felt awful in bed 'cause he can't watch television. The mother felt awful too 'cause she has a cold.

Story 6--- Baby bear went to sleep. He all ready finished his job. The father didn't finish his job and he has to work tomorrow. The father and mother went to sleep but the baby keeps his eyes open to see the leaves falling down from the trees. The baby feels awful in bed. The mother and father don't feel awful. The baby has a cold and has to stay. The little boy had a fight; that's why he had a cold; he was lying on the ground. He wants to do his work so he'll be happy, but he can't 'cause he has a cold.

Story 7--- The lion saw the monkey and wants to kill the monkey. He come up the tree and has hands on his feet and arms. He feels awful. The lion might break the tree and the lion falls in the water and monkey will be happy. The lion dies from the water. The monkey goes to the jungle and the fox and he's happy 'cause the fox won't kill him. (The fox is a friend.) 'Cause he can kill the lion and the fox and the monkey can go in the water and not drown. (The lion is a heavy lady.)

Story 8--- These are the jungle monkeys. The mother and the company drink coffee. The little boy don't drink coffee. He'll get sick if he drinks coffee. He fights with the big black lady. He had a dream about the mother that the mother died. He got sick and died.

Story 9--- The rabbit goes to sleep. It's dark and he doesn't know what to do. He went to bed. He kicked the alarm clock right out of bed and broke the house down. He broke the kitchen light and the door down and he was mad. He was mad 'cause he was sick.

Story 10--- The little dog had to go to the bathroom. He threw up. The mother, she sits on a table bench. He wants to do his work but he can't 'cause he keeps throwing up. The mother might kill him 'cause he keeps waking her up and the mother is mad.

Protocol 4

Story 1.-- The mommy and the three chicks are eating turkey. There are two others having a nap. The mother is standing on the floor. She's watching the children. She doesn't want them to go outside. They want to because they are happy they've had a good dinner. They don't want her to see them go out. They want to play games. I can see her face is mad. The babies have an idea. They are going to hide under the table and jump up and scare the mother. She'll fly out the door. The children will then play in the house.

Story 2.-- These are the three bears. The baby and mother are against the father. They are trying to pull the rope away. It breaks and they fall off the cliff. They get a bloody nose and bent ear and bent finger. They go to their aunt and she kicks them out of the house so blood won't get on the floor. The mother and father fight and the baby pulls the father's tail and pulls his hair out. That's the end of that story.

Story 3.-- The lion is sad. The mouse looks at him. Father has a pipe. He's biting his hand. The mouse bites the father's tail. He is sad because he has no mother and he is afraid someone will eat him (a giant), and an indian shoots bow and arrow in his eye. There is a hole under the chair and if he moves back his feet go in it. He yells "Help" and someone comes and kills him with an arrow. The mouse bites his toe and hides in the pipe. Someone lights it. He rides to a star on the smoke and then falls in the water. That's the end of him.

Story 4.-- There are three kangaroos, baby has a balloon. There is a baby in her belly. The baby runs over the mother's feet and pulls her tail. The mother is holding her hat and bag. They are going to grandmothers. She says, "Why are you here?" "For a picnic." "This is no wood." They build a fort in her yard and the grandmother tears it to pieces. The mother says they'll go to someone else's house. Then they go to their own house. A big rat bites her toe and the baby goes in momma's belly again. The boy runs over the rat and mother comes alive again. That is the end.

Story 5.-- Nobody is in this picture. Oh, hes, there is a little teddy bear. No, it is a cat. The mother and father are in bed. The light is out and it is raining outside. The covers are over their heads. There is a table, a window, curtain. There are two teddy bears. They wake the mother. She says, "Children, you'll wake the neighbors." All go back to sleep.

Story 6.-- What their names are? I think they're dogs. There are three. The father is asleep and the baby is awake in

the tunnel. The mother is asleep. The baby puts dynamite in the tunnel. They go up in the air and get their faces all black. They go to another tunnel and someone kills them. That is the end.

Story 7.-- The lion is after the monkey. He says "Ah" and jumps on the tree fast. The lion grabs his tail. He jumps on the rock and eats the monkey. Someone comes and kills the lion and a turtle and fly come and live in his mouth. They go to his tail and move it and then move his feet.

Story 8.-- Are they monkeys? I think they are. The father and mother and boy and grandpa. The mother and father get an idea. They pat the grandfather on the back and he says "Who did it?" The father is going to tickle the mother with his foot. The grandmother is looking in the window. Grandpa says to the boy, "Keep your big mouth shut." The boy slapped him in the face. He pulled his hair and said, "Don't do that." The mother and father get an idea to push the grandpa off the chair and out the door. The boy ties the grandfather up. He can't talk. Someone shoots him with a bow and arrow. The boy feels good and so does the mother and father.

Story 9.-- The little rabbit is in this room. He's looking at me - now at you. The window is open and he's so cold he can't sleep. Santa is coming. The mother and father are sleeping in the other room. He can get out of bed any time he wants. He wants to go to eat and get water. Then he peas the bed. The mother knocks him around the room. He falls out the window and into water. He comes in and gets black footmarks on the floor. The mother chases him out. He walks up to the top of the building and the mother follows and falls off the building. She cries and is sad that she threw the boy out of the window before. That's the end.

Story 10.-- The mother is spanking the baby. He says "Ow". He has to take a bath. The mother punches the baby and he says "Ow". The baby pulls the mother's ear. He doesn't want to take a bath. He wants to run out and play with his friends but she won't let him. He dirties the towel. She spansks harder. The baby finally got away. He got cold and went to his cousins to sleep. Santa comes in his sleigh. The mother looks all around. Santa gives the mother a toy. When the boy goes home the mother is not there. She is putting his toy under the tree. That is all.

Protocol 5.

Story 1.-- He, John (6 years) was going to take some turkey. Pete (4 years) didn't feel like taking turkey, he (Jimmy 11

the tunnel. The mother is asleep. The baby puts dynamite in the tunnel. They go up in the air and get their faces all black. They go to another tunnel and someone kills them. That is the end.

Story 9. -- The lion is after the monkey. He says "Ah" and jumps on the tree first. The lion grabs his tail. He turns on the rock and eats the monkey. Someone comes and kills the lion and a turtle and fly come and live in his mouth. They go to his ball and move it and then move his feet.

Story 8. -- Are they monkeys? I think they are. The father and mother and boy and grandpa. The mother and father get an idea. They get the grandpa on the back and he says "Who did it?" The father is going to tickle the mother with his foot. The grandpa is looking in the window. Grandpa says to the boy, "See your little mouth shut." The boy slipped him in the face. He pulled his hair and said, "Don't do that." The mother and father get an idea to push the grandpa off the chair and out the door. The boy ties the grandpa up. He can't talk. Someone shoots him with a bow and arrow. The boy feels good and sees the mother and father.

Story 7. -- The little rabbit is in this room. He's looking at me - how do you. The window is open and he's so cold he can't sleep. Santa is coming. The mother and father are sleeping in the other room. He can get out of bed any time he wants. He wants to go to bed and get water. Then he sees the bed. The mother knows his sound the room. He falls out the window and into water. He comes in and gets black footprints on the floor. The mother chases him out. He walks to the top of the building and the mother follows and falls off the building. She cries and is sad that she threw the boy out of the window before. That's the end.

Story 10. -- The mother is washing the baby. He says "Ow". He has to take a bath. The mother touches the baby and he says "Ow". The baby pulls the mother's ear. He doesn't want to take a bath. He wants to run out and play with his friends but she won't let him. He dries the towel. She speaks harsher. The baby finally got away. He got cold and went to his cousin to sleep. Santa comes in his sleigh. The mother looks all around. Santa gives the mother a toy. When the boy goes home the mother is not there. She is putting his toy under the tree. That is all.

Protocol 5.

Story 1. -- Mr. John (8 years) was going to take some turkey. Pete (4 years) didn't feel like taking turkey, so (John) if

years) already had his turkey and ate it all. A chicken hopped up near the wall. One of the ducks saw him. The chicken layed an egg and went away. Then part of the table broke because it was so big. Then the people sat down to take a rest. They felt good 'cause they had so much supper. They were hungry and they said that was a good supper.

Story 2.-- Pete and John and Jimmy are pulling the rope 'cause they want it to tie Jimmy up. Pete wants to tie him up and John wants to save him. Pete wants to go back of the hill and get them. The rope slipped and went down the hill. The little bear went down and they stayed up. The little bear went in the water. He fell in from the hill. John bumped into Pete and knocked him into the water and he was dead and then John got the rope and pulled Jimmy out of the water. Jimmy felt nice 'cause John got him out of the water and Pete was dead forever.

Story 3.-- He was sitting down and his pipe was near the bench and it almost fell and his stick fell. Then a little mouse came through the hole and he didn't see the mouse and the mouse bit his tail. He was mad that he chopped the wall up and got the mouse and threw him away. He threw everything away and broke everything up and he went away and never came back 'cause he was mad.

Story 4.-- I like these things. It has a pocket. She (mother) was riding on the fender and fell off and broke the bottles and the balloon. The little boy (on bike) laughed. The mother was so mad that she put him on the road and left him there and went away in a boat with the boy in the pocket. The baby and mother feel good.

Story 5.-- Two little kittens in bed. The mother and father woke up and looked at the babies and they were gone. The mother and father say "Where have they gone?" The father found them at the pond fishing. The mother didn't find the kitten girl who fell in the pond and she died. The little boy kitten kept fishing. He threw it out to catch the little girl but she was dead. He feels bad because his sister died. The father came and found the boy. The little boy was so mad 'cause his sister was dead.

Story 6.-- The little pig woke and took all the food that they had, and then when he took the food the others awoke up and there was no food for them to eat, and then the other big one caved the cave in on them they ran after him and he fell off the hill and ran through the water to the other side.

Story 7.-- The tiger was running after the monkey and caught part of his tail and the monkey ran up the tree and the tiger bit it down. The monkey ran away to the water and the

tiger went back and didn't get the monkey and a rattlesnake came and killed the tiger.

Story 8.--- A monkey had coffee and spilled and the other monkey hollered at him and said "pick it up" to the company. A picture came in the wall about the mother and it hit the mother over the head and the father and baby were mad because the picture hit the mother on the head.

Story 9.--- The rabbit was sleeping - the door opened and the step-father came in and he (rabbit) hopped out the window. He didn't like his step-father, his step-father was awful. The little rabbit went to his grandma 'cause he didn't like his father.

Story 10.--- The little dog has to go to the bathroom and the mother said wait till I wash the toilet nice and clean for the company and she cleaned it and the little boy went to the bathroom and the company came a lot of people in the house and the little dog was mad and the big dog was mad 'cause too many people in the house and they broke all the furniture.

Protocol 6

Story 1.--- They are eating. The birds are having a pie to eat the father is watching them. He don't want them to take too much of the food.

Story 2.--- They are pulling the rope, the mother bear, the poppa bear, and the baby bear. Father will pull the rope from mother. Baby and father will be happy. Mother will be sad. They'll make a swing with the rope.

Story 3.--- The father tiger is sitting down holding his pipe. He leaning on the chair. He's thinking about there's a mouse on him. He'll look for the mouse and catch him. He'll kill the mouse; he'll chew him.

Story 4.--- The baby bear is riding the bike. The mother bear has some food. The other baby bear is in his pouch. He's holding a balloon. There is some trees around and some grass. They're going on a picnic. They'll have fun.

Story 5.--- The bear is in the crib. There's a lamp and the father and mother. There is a table. The baby bear will wake up crying. He had a dream of scary story. He is dreaming of a ghost; he thinks that ghost is in bed with him.

Story 6.--- The pigs are in a tree. They are on the ground. The baby is near the leaves; the mother and father are not near the leaves. The tree will fall and the mother and father, and baby pig will get hurt.

Story 7.--- There's a tiger chasing a monkey. The monkey will die. The tiger will kill the monkey. The tiger will stick his claws into the monkey and bite him.

Story 8.--- There's the father monkey, the grandmother monkey, the son and the monkey. They are having tea. They are whispering. They are saying bad things -- bad words. The father and son monkey will hear the mother and the grandmother. The father and the son will start fighting. The mother will get hurt. The mother will have to go to the doctors.

Story 9.--- The baby rabbit got dumped over. The door is knocked down. The rabbit is crying because he's cold. There's some furniture down there and they got tipped over. The wind tipped things over.

Story 10.--- The mother dog is smacking the baby dog. He was playing in the bathroom. He pulled the toilet things and knocked down the towels. The mother smacked him with her hand and the baby dog cried.

Protocol 7

Story 1.--- The birds are eating on the table. There's a bowl on the table. They're sitting on chairs. They feel fine because they're eating. The mother chicken, she's looking at the baby chickens. She's looking outside. The mother feels sad because they're eating everything up and she wants to save some for herself.

Story 2.--- They're having a tug of war. The father bear and the mother bear and the baby bear. (Mother and baby together) The mother bears the father bear. They're on a hill doing it. The father is afraid 'cause he might fall. The baby is happy because they're beating his father.

Story 3.--- The lion is mad 'cause the men went away for him. and he's sitting in his chair with a pipe in his hand. There's a little mouse. He's got a stick. The mouse is in a little cave. the lion looks like he's gonna fight the mouse. The lion kills the mouse.

Story 4.--- The baby squirrel is riding a bike and the mother squirrel and they're going to the store and the baby

kangaroo has a balloon in his hand. The mother thinks she will lose her hat. The mother has a pocketbook and a basket with milk and all kinds of fruit. There are trees. The mother looks like she'll get stuck in the storm. They feel bad 'cause they don't have a raincoat and they'll get soaked.

Story 5.-- Two baby bears sleep in a crib and the mother and father sleep in the big bed. They're in the house with curtains and three windows. They wake up to have breakfast and the babies aren't sleeping. They're playing.

Story 6.-- Three bears are asleep in a cave. The baby is awake. He's looking outside. The mother and father bear are sleeping and they don't know the baby is awake. When they wake up the father bear gives him a spanking because he was looking outside.

Story 7.-- A tiger is going after a monkey and the monkey is trying to get up a tree. The tiger is coming out of his house. They're in the jungle and the monkey says, "Get away." The tiger caught him before he got up the tree and killed the monkey. The monkey didn't want him to. The tiger went back to his house.

Story 8.-- All monkey's are in the house. Two are on the couch. The other is sitting on a hassock. The father and mother are on the couch and then there's the grandpa and the baby. They are telling secrets. They went outside and had a picnic and they feel fine.

Story 9.-- A bunny's sleeping in the bed and the door is open. He's sleeping in the house and he don't know who opened the door. He has a desk and a lamp. When he woke up he ate his breakfast and went out to look for the man who opened the door and he couldn't find him so he went back home.

Story 10.-- The mother is spanking the baby dog 'cause he was a bad boy and she's doing it in the bathroom. Then he went and put his clothes on. The mother was mad because he broke a bottle and the baby was mad because the mother spanked him. He went and told his father.

Protocol 8

Story 1.-- Three little birdies were sitting at the table eating supper. The little bird had a spoon in his hand and the other one had a napkin on his neck and the other one didn't.

Yamaguchi has a balloon in his hand. The mother thinks she will lose her hat. The mother has a pocketbook and a basket with milk and all kinds of fruit. There are trees. The mother looks like she'll get stuck in the store. They feel bad 'cause they don't have a raincoat and they'll get soaked.

Story 2.-- Two baby bears sleep in a crib and the mother and father sleep in the big bed. They're in the house with curtains and three windows. They wait up to have breakfast and the babies aren't sleeping. They're playing.

Story 3.-- Three bears are sleeping in a cave. The baby is awake. He's looking outside. The mother and father bear are sleeping and they don't know the baby is awake. When they wake up the father bear gives him a spanking because he was looking outside.

Story 4.-- A tiger is going after a monkey and the monkey is trying to get up a tree. The tiger is coming out of his house. There's in the jungle and the monkey says, "Get away." The tiger caught him before he got on the tree and killed the monkey. The monkey didn't want him but the tiger went back to his house.

Story 5.-- All monkey's are in the house. Two are on the couch. The other is sitting on a newspaper. The father and mother are on the couch and then there's the grandpa and the baby. They are telling secrets. They went outside and had a picnic and they feel fine.

Story 6.-- A bunny's sleeping in the bed and the door is open. He's sleeping in the house and he don't know who opened the door. He has a clock and a lamp. When he woke up he ate his breakfast and went out to look for the man who opened the door and he couldn't find him so he went back home.

Story 7.-- The mother is spanking the baby dog 'cause he was a bad boy and she's doing it in the bathroom. Then he went and put his clothes on. The mother was mad because he broke a bottle and the baby was mad because the mother spanked him. He went and told his father.

Protocol 2

Story 8.-- Three little birds were sitting at the table eating supper. The little bird had a spoon in his hand and the other one had a napkin on his neck and the other one didn't.

Story 2.-- Once upon a time there was three little bears and there was a baby one. A mother one and a father one. They were pulling the rope. The mother one was starting to fall so then they all fell.

Story 3.-- Once upon a time there was a lion sitting in a chair. There was a cane beside his chair and a pipe in his paw. And then he crossed his legs and his tail was hanging and his paws down on the floor. And he had one of his paws like this up to his face. The mousey was walking out.

Story 4.-- Once upon a time there was three kangaroos going on a picnic, a mother and two babies and one was riding a bicycle and the mother was carrying the basket.

Story 5.-- Once upon a time there was two babies-baby bears - in the crib and at the side there was a bed with a mother and father in it. At the side of the bed there was a window with curtains. And the baby bears. One was sleeping and one was awake and the other side of the bed there was a wall so then the blanket was on the bed. The lamp was turned off. The mother and papa were sleeping.

Story 6.-- Once upon a time there was three bears in their home - a baby, a mother and papa. They were in a tunnel. The baby was the only one awake. The tunnel was made of rocks. The three bears were laying down.

Story 7.-- Once upon a time a lion was chasing a monkey. The lion jumped from his rock. The monkey had his hands up and was going to climb a tree and the lion is on the rock and he's got his mouth open. The lion catches the monkey and he (lion) eats the monkey.

Story 8.-- Once upon a time there was five monkeys in their home. Two of them had a cup of tea. One was sitting down. The baby one was standing up. One was sitting on the stool and the baby was ready to sit down and there was a picture on the wall and one was pointing to the baby and the father had his legs crossed. The one on the stool closed his eyes.

Story 9.-- Once upon a time there was a rabbit in his crib. He didn't shut the door of his room. He was sitting in his bed. His ears was sticking up. He was awake. I got a rabbit at home.

Story 10.-- Once upon a time there was two little doggies. They was going in the bathroom to wash up and the mother was washing the baby doggy. He had a towel. The baby was tired. The baby gets all washed up and he goes to bed.

Protocol 9

Story 1.-- They eating. One of them will get up on the table 'cause he wants some of the stuff. One hasn't got a napkin. This (middle one) might feed them. They feel happy 'cause they want to eat.

Story 2.-- One bear is pulling the rope from the other two. He doesn't look so happy 'cause his eyes are raised up and his mouth is partly open. He gets most of the rope and the other two get a little bit. They're playing. They feel happy 'cause they're playing.

Story 3.-- This is Mr. Tiger and I see a little mouse beside him. He dug a hole in a piece of wood and Mr. Tiger is sitting down and he doesn't see the mouse. So the mouse creeps out to go up on his fur and the lion gets angry. Then tiger jumps around to try to get the mouse out of his fur. The mouse makes friends with the tiger.

Story 4.-- Mrs. Kangaroo and Baby Kangaroo and the boy kangaroo rides his bike. The baby and the mother are going for a ride. The baby kangaroo has a balloon. Mother has a basket of food. They're going to a picnic. Mother is happy and her bag glows back at the baby kangaroo and there's a house and smoke coming from the chimney. The children are happy, but the mother looks like she might be cold. They might be near the picnic.

Story 5.-- Two little mice are sleeping in a baby's crib. In back of them are curtains with windows; beside them is a bed and a lamp and a table. Something wakes them up. They get out of bed. One of them went and looked under the cover of the other bed to see if someone was there and the other looked out the window. He saw something like a monkey.

Story 6.-- Two bears are sleeping in a hut. The hut has leaves near the baby bear; at the top of the cave there are sticks. The cave is dirt. Baby has part of his eyes open. They wake up and look out the back end and the baby wakes up and follows the big bear to see what is there. There is a rocket there. They go back to the cave and go to sleep again.

Story 7.-- The lion is jumping after the monkey. The monkey climbs up the tree. The tiger has his mouth open and he's jumping to the other side. The monkey almost can't get up the tree before the tiger gets over. The tiger didn't get over there yet. The monkey screams and the monkey might scratch the tiger, and the tiger might take a bite. The monkey jumps to a rock. The monkey gets away 'cause he got up on another tree.

Story 8--- Monkeys must have company and the three big monkeys and one little boy monkey. The father tells the boy to go to bed. There's a picture of Mrs. Monkey hanging up. The boy says, "Why can't I stay up a little while?" The father said, "Now listen you, go to bed when I tell you." Mrs. Monkey is talking to Mr. Monkey on the couch. Mr. Monkey is drinking his coffee. The boy doesn't want to go to bed, but the father makes him go to bed. The boy monkey went to bed.

Story 9--- A crib with a rabbit in it. A big doorway and a window with a bunny sleeping in bed and a mirror hanging up. Rabbit is looking out the door. He is going to lay down and go to sleep. He hears a voice and looks out the window and sees an animal. Then the rabbit goes back to bed and then mother rabbit comes to see if he's sleeping. And mother rabbit closes the door easy 'cause he was sleeping when she went in.

Story 10--- Two little puppies are in the bathroom. One is on top of the other. The big puppy (father) is giving the little one a spanking. The toilet seat is up and I see part of the bathtub and towel on a rack. Maybe the baby wet the floor.

Protocol 10

Story 1--- The big hen came. They all put their spoons up. They were gonna eat. When the big hen came they all looked at him and the hen looked down at all the little ones. They all felt happy 'cause they were going to start to eat.

Story 2--- They're playing a game. They're trying to get the rope. The little bear is trying to pull too. One's a father and a baby (together) and the mother. The mother bear is gonna win getting the rope.

Story 3--- The lion is sitting in the chair smoking his pipe and a cane is on the side of him. There's a mouse in the log in back. The mouse looks at the lion and the lion can see him. The lion is gonna get up and get him and kill him. The lion thinks the mouse will get up on the chair and bite him. That's way he gets the mouse.

Story 4--- The mother is carrying milk. She has a baby in her stomach with a balloon. Another kangaroo has a bike and they're walking home. When they get home they're going to drink some milk. The mother doesn't look happy - her eyes are staring at the kangaroo with the boke - she don't want him to get lost or left behind. He's happy 'cause he likes to ride the bike. She thinks he might run over her feet or crack into a tree 'cause he's not looking in front of him.

Story 5.-- It's three teddy bears in the bed and there's a crib and a big bed and a lamp and three windows and stairs going down to the cellar. One is looking down the cellar stairs. Another one is looking at the other teddy bear. They feel happy 'cause they're not alone - 'cause they're not in the forest.

Story 6.-- It's two baby bears and another one and they're in a big tunnel. The mother bear and father bear are right next to them. The father bear starts to get up he's staring at something and one of the other bear is staring at something out the other way. The father is staring at a big hole he sees a mouse coming through. The baby sees a big giant bear. He's scared. He thinks the giant might kill the mother and father bear. If he kills the father and mother then the other two baby bears will get killed too.

Story 7.-- The lion is going at the monkey. The monkey scares the tiger. The tiger gonna kill him, but the monkey gets to the tree then the tiger can't kill him. He gets to the tree.

Story 8.-- A mother and a father and a little monkey and another monkey for company (father and baby together). The company is pointing to the father. The baby monkey he comes in and sits down and he looks at the father and the father is closing his eyes and pointing to the head of the baby monkey. They're all happy but the mother she doesn't like him doing that to the baby monkey - to point at him and combs his hair with his finger.

Story 9.-- The rabbit is in bed all by himself. A bureau - a lamp and a mirror and seven windows. The door wide open. The baby looking at the mother and father. They're in the den playing cards. The baby is staring at them. The baby wanted to get up.

Story 10.-- The father is wacking the baby dog, in the toilet and the rack with towels 'cause he wouldn't go to the toilet. The baby is screaming.

Protocol 11

Story 1.-- The chicks are having dinner. The father chicken is watching them. They might spill something on themselves. They might drink poison. The father would feel bad if they got poisoned and die. If he knew there was poison, he'd take it away from the chicks.

Story 12.-- The big dog is spanking the baby dog. He took a towel and tore it up. The mother dog is spanking him. Maybe

Story 2--- That's the good bear and two bad bears. They all want the rope. Who will get the rope? The good one will get the rope. The bad bears robbed the good guy's bank. They are on a cliff. I hope the two bad ones fall off the cliff.

Story 3--- The lion is home, smoking a pipe. The mouse is looking. The mouse wants a smoke. The mouse will scratch the lion. The lion will drop the pipe; the house will get on fire. I hope the lion will be O. K. and the mouse will get burned up.

Story 4--- The baby is riding. The mother is going shopping to get milk. She might drop the basket and fall and get cut. The baby will get a flat tire. The baby in the pouch will get his eyes cut. The mother might be dead and the baby might be dead and the other one would get only a flat tire.

Story 5--- The little bears are sleeping. The mother and father will come home and put the baby in the crib. They'll see the bears in the crib. They'll close the door and call the cops. The cops will come and shoot the bears.

Story 6--- Big bear and little bear and the other bear. One is father bear, one is mother bear; one is baby bear. The stick might come out and make the cave sink in a little bit. The bears will woke up.

Story 7--- The lion is chasing the monkey. The monkey falls. The branch of the tree will come down and hit the lion on the head. Little people are watching to see what is going to happen. The people are afraid the lion might eat them up, too.

Story 8--- One monkey is whispering to the other monkey. There might be poison in the cup. One monkey is going to give it the little monkey. That will poison the little monkey and the other monkey has poison in his cup. He'll give it mother monkey and poison her. The other two monkeys will be lucky because they didn't get poisoned. The little monkey is the same monkey the lion was running after.

Story 9--- The rails of the crib might fall down and clunk the rabbit over the head. The crib will juggle the mirror and it will fall down. The light will fall down. The bureau will fall down. The door will fall down. The window is opened; the bunny will hop through the window. The window will fall down. The bunny will get killed. He looks like a mean bunny. That looks like a snake. The snake will bite the walls with his sharp teeth. The walls and the house will fall down.

Story 10--- The big dog is spanking the baby dog. He took a towel and tore it up. The mother dog is spanking him. Maybe

he didn't use the baby toilet seat; and he used the big; he missed the toilet. It would be all dirty and no one else could sit on it. The mother is spanking him. She said, "You're a bad dog. Well, I guess I'll have to trade you in and get a new dog. He said, "No". Until he changes his mind, he'll get traded in and they'll get a new dog.

Protocol 12

Story 1.-- They are having breakfast. The mother is watching them eat their breakfast. She wants to eat all of their food. They wouldn't finish their food if she didn't watch them. She told them to eat all their breakfast. (laughed at card).

Story 2.-- They all want the rope. The uncle is pulling the rope from mother and baby. The mother and baby will pull the rope from uncle. Uncle will fall down and get hurt.

Story 3.-- The mice will come up the chair. The mice will nibble the lion. The lion will get mad. The pipe will fall. The cane will fall. The chair will fall. The pipe will burn the floor. The lion and mice will be burned into little pieces.

Story 4.-- The little kangaroo on the bike is chasing his mother so she won't be a slow poke. He wants to make mother's foot hit the balloon and the balloon would bust. The baby will cry. He wants to hear the noise when the balloon breaks and it will make the mother go faster.

Story 5.-- Two little bears are talking with each other. They are talking about breaking down the crib. They don't like to be in bed. They want to be up. They talk fast and swing their hands around and hit the bed and break it. The sticks will be all over the floor. It will scratch the other bed.

Story 6.-- The baby bear and the father bear are sleeping under a tunnel. They are resting quietly, and keeping their eyes open. They'll get mad with the grasshoppers because the grasshoppers will bother them too much.

Story 7.-- The lion is mad at the mouse. The mouse is around too much. The lion was sleeping. The lion got mad at the mouse. The lion got his paws on the monkey. The lion will tear the monkey apart.

Story 8.-- The uncle mouse is talking to the mother. He said, "I knew something once and it happened." The father is talking to the son. He told the son to get him a cup of coffee.

The son wants to sit around. The father will get mad and the son will run out the door.

Story 9.-- The rabbit mother is taking a nap and looking out the door. She wants to see if the sun is shining in the bedroom. Then she tell the son to sleep in her room and she will sleep in the son's room. The mother wants to be where the sun is. The sun is on the side of the son's room.

Story 10.-- The papa is spanking the son. The sun pulled down the towel off the rack. The son dog is barking. He is saying "Ouch, ouch!"

Protocol 13

Story 1.-- The birds are eating their food. The mother is with them. So they won't run away. If they run they'll get lost. Sometimes they run away. The mother hen doesn't want the hawk to get them.

Story 2.-- They are playing tug-of-war. The big bear - - poppa bear - - baby bear, and mother bear. They are playing. They are trying to keep the mother bear from falling down the hill.

Story 3.-- Mister Tiger - - he is smoking his pipe. He doesn't know the mouse is watching him. He (the "tiger") looks tired to me. He aint been in bed; he's been to the circus. The tiger will go to bed and sleep.

Story 4.-- Mother Kangaroo is with her children. The baby girl has a balloon. The baby boy has a bicycle. They feel good; they are going home from the store.

Story 5.-- Somebody's bedroom -- a big bed and a little bed. Nobody is home. The teddy bear is in the little bed. They went to the market to get some groceries.

Story 6.-- The three bears are going to sleep. The baby hasn't gone to sleep yet he has his eyes open. The mother and father do not know that he isn't asleep. The little bear is hungry and he'll go and get some food.

Story 7.-- The tiger is going after the monkey. He jumped out from nowhere. The tiger isn't going to catch the monkey. The monkey will get away because he can climb faster than the tiger.

The son wants to sit around. The father will get mad and the son will run out the door.

Story 9. -- The rabbit mother is taking a nap and looking out the door. She wants to see if the son is sleeping in the bedroom. Then she tells the son to sleep in her room and she will sleep in the son's room. The mother wants to be where the son is. The son is on the side of the son's room.

Story 10. -- The gate is spanking the son. The son pulled down the tail off the pack. The son dog is barking. He is saying "bark, bark, bark!"

Protocol 13

Story 1. -- The birds are eating their food. The mother is with them. So they won't run away. If they run they'll get lost. Sometimes they run away. The mother hen doesn't want the hawk to eat them.

Story 2. -- They are playing tag-of-war. The big bear - - - baby bear, and mother bear. They are playing. They are trying to keep the mother bear from falling down the hill.

Story 3. -- Mister Tiger - - - he is smoking his pipe. He doesn't know the mouse is watching him. He (the tiger) looks tired to me. He sits down in bed; he's been to the cinema. The tiger will go to bed and sleep.

Story 4. -- Mother Kangaroo is with her children. The baby girl has a balloon. The baby boy has a bicycle. They feel good; they are going home from the store.

Story 5. -- Somebody's bedroom - - a big bed and a little bed. Nobody is home. The teddy bear is in the little bed. They went to the market to get some groceries.

Story 6. -- The three bears are going to sleep. The baby hasn't gone to sleep yet he has his eyes open. The mother and father do not know that he isn't asleep. The little bear is hungry and he'll go and get some food.

Story 7. -- The tiger is going after the monkey. He jumped out from nowhere. The tiger isn't going to catch the monkey. The monkey will get away because he can climb faster than the tiger.

Story 8--- The mother is with her boy. She is telling her boy to go over and see what the other two monkeys are doing. They are whispering. The boy doesn't go because he doesn't think it is a good idea.

Story 9--- The rabbit is in his house. He is awake and the mother and father don't know it. There's a light on. He's thinking about food. He'd like to go out and get some food but his father and mother will worry. So he don't.

Story 10--- The father is taking the baby to the toilet. He has to get. The baby said "Bow-wow." The father thinks he has to go but he doesn't.

Protocol 14

Story 1--- Eating stew. Three people there. Happy. Cook stew before eating. Mother going to cook it.

Story 2--- Having a tug-of-war. Two on one side pulling a rope. (seemed distressed)

Story 3--- Sitting down in a chair smoking a pipe and came right there. Sitting in a chair. Feels all right.

Story 4--- He's riding a bike and he's got a basket in his hand and got a pocketbook and got a hat on. Both got a tail. Going home to eat. Feel fine.

Story 5--- Crib and a bed. Little light and windows. Light on the table. Baby in the crib. Baby feels all right. Trees outside.

Story 6--- Two bears in a cage. They walked into the cage. Fell all right. They are asleep. They like to sleep. (All information in response to questions.)

Story 7--- Lion and a monkey. Lion trying to get the monkey. and trees. Don't know why lion is trying to get monkey.

Story 8--- Four monkey. Two drinking tea and they are setting down. Picture up here. (Could elucidate no further information.)

Story 9--- Crib, door, rabbit in the crib and these windows and there is a light and there is a rail. How does rabbit feel? Feels all right.

Story 8.--- The mother is with her boy. She is telling her
to go over and see what the other two monkeys are doing.
They are whispering. The boy doesn't go because he doesn't
think it is a good idea.

Story 9.--- The rabbit is in his house. He is awake and the
mother and father don't know it. There's a light on. He's
thinking about food. He'd like to go out and get some food
but his father and mother will worry. So he don't.

Story 10.--- The father is taking the baby to the toilet.
He has to eat. The baby said "Bow-wow." The father thinks he
has to go but he doesn't.

Protocol 14

Story 1.--- Sitting at a table. Three people there. Happy. Cook
also before eating. Father going to cook it.

Story 2.--- Having a cut-of-war. Two on one side pulling a
rope. (Laughter disturbed)

Story 3.--- Sitting down in a chair smoking a pipe and came
right there. Sitting in a chair. Feels all right.

Story 4.--- He's riding a bike and he's got a basket in his
hand and got a pocketbook and got a hat on. Got a tail.
Going home to rest. Feel fine.

Story 5.--- Out and a bed. Little light and windows.
Light on the table. Baby in the crib. Baby feels all right.
Feels outside.

Story 6.--- Two bears in a cage. They walked into the cage.
Bell all right. They are asleep. They like to sleep. (All
information in response to questions.)

Story 7.--- Lion and a monkey. Lion trying to get the
monkey. And there. Don't know why lion is trying to get monkey.

Story 8.--- Four monkey. Two drinking tea and they are
sitting down. Picture up here. (Could elucidate no further
information.)

Story 9.--- Girl, moon, rabbit in the crib and there windows
and there is a light and there is a bell. How does rabbit feel?
Feels all right.

Story 10.-- Two doggies in a bathroom and the towel, hamper where put clothes in. Sitting on a stool. (Could elicit nothing else.) Child was tense and anxious the whole time.

Protocol 15

Story 1.-- They are eating. The mommy chicky is standing up and watching the baby chickies so they won't go away and not eat. She'll whip them if they do.

Story 2.-- They are having a tug-of-war. Baby and father are pulling the rope. Mother will try to get the rope away. She can't; they're too strong. Baby and father will eat dinner when they go home.

Story 3.-- The tiger is smoking a pipe. After he finishes smoking his pipe, he's going to bed. He is having a dream about another tiger. The tiger will chase him but he won't catch him.

Story 4.-- The big one was shopping. They are going home. The brother is riding a bike. He wants to get home. He wishes they would hurry. Mummy is tired from holding the baby and she can't go so fast.

Story 5.-- It's night. The babies are in the crib. They are sleeping on the pillow. Their mother is going to come in and take them out. Mummy will take them outside to play. They'll have fun.

Story 6.-- The bears are in a cave. They are sleeping. They are dreaming about bears. The bears are chasing them. They are scared. They will wake up and they won't be scared any more.

Story 7.-- The tiger is going to jump on the monkey. He'll get the monkey. He'll eat him. The tiger will go out. He'll go in the woods and find someone else to eat.

Story 8.-- The mother, baby, father, and aunt are having fun. They are having tea. Mother is telling the baby to be quiet. Baby said, "No". Mother said, "Yes". Mother spanked the baby. She put him to bed.

Story 9.-- The rabbit sleeping. The door is opened. The rabbit is tired and sleepy. He dreams about other rabbits. They run after each other. The rabbit will wake up and go to eat. He'll go out to play. He'll eat again.

Story 10.-- The puppy is sitting on the other puppy. The mother doesn't want him to get away. She's going to put him to bed. It's time to go to bed. He doesn't want to go to bed. The mother will put him to bed.

Protocol 16

Story 1.-- I can't tell any story at all. They are roosters. There are bowls, tables, a big dish, chairs, little babies, legs of the table.

Story 2.-- Bears trying to get the rope. They're up on a mountain. A father, mother and a baby; the father is going to win.

Story 3.-- Big lion, chair, cane, pipe, little bird, wall, but I don't know what's happening.

Story 4.-- I don't know what these are. Are they roosters? They look like kangaroos. They're going into the woods to look for food.

Story 5.-- Crib, bed, house, two bears, blanket, place where you put the lamp, windows, light bulb inside the lamp.

Story 6.-- Some bears in a cave, a father, mother and a baby. There are some rocks, some leaves and trees. Branches are growing over the cave. They're all lying down.

Story 7.-- The lion is going after the monkey. This is the jungle. There are branches hanging down from the trees. The lion is going to kill the monkey.

Story 8.-- All the monkeys are sitting down. The grandpa, mother, father, and baby. There is a couch and a stool. There is a picture of mother on the wall. Mother is yelling at the baby. Grandpa is drinking coffee. Father has his eyes closed.

Story 9.-- There is a rabbit, door, crib, top of the house, windows, the rabbit is lying in bed. There is a mirror on the wall, and a handle to the door.

Story 10.-- There are dogs, toilet, towel, chair, brick wall. Father is going to lick the baby dog. Baby dog is barking.

Story 10.-- The puppy is sitting on the other puppy. The mother doesn't want him to get away. She's going to put him to bed. It's time to go to bed. He doesn't want to go to bed. The mother will put him to bed.

Protocol 13

Story 1.-- I don't tell any story at all. They are roosters. There are bowls, tables, a big dish, chairs, little tables, legs of the table.

Story 2.-- Bears trying to get the rose. They're up on a mountain. A father, mother and a baby; the father is going to win.

Story 3.-- A lion, chair, cane, pipe, little bird, wall, but I don't know what's happening.

Story 4.-- I don't know what these are. Are they roosters? They look like kangaroos. They're going into the woods to look for food.

Story 5.-- Girl, bed, house, two bears, blanket, place where you put the lamp, windows, light bulb inside the lamp.

Story 6.-- Some birds in a cave, a father, mother and a baby. There are some rocks, some leaves and trees. Branches are growing over the cave. They're all lying down.

Story 7.-- The lion is going after the monkey. This is the jungle. There are branches hanging down from the trees. The lion is going to kill the monkey.

Story 8.-- All the monkeys are sitting down. The grandpa, mother, father, and baby. There is a couch and a stool. There is a picture of mother on the wall. Mother is smiling at the baby. Grandpa is drinking coffee. Father has his eyes closed.

Story 9.-- There is a rabbit, door, crib, top of the house, window, the rabbit is lying in bed. There is a mirror on the wall, and a handle to the door.

Story 10.-- There are dogs, toilet, towel, chair, brick wall. Father is going to lick the baby dog. Baby dog is pecking.

Protocol 17

Story 1.-- They are getting ready to eat the food in the big bowl. The father chicken is looking at them so that nothing will happen. They might start fighting and the stuff would go on the floor.

Story 2.-- They are pulling a rope -- the baby bear, the father bear, and the mother bear. The baby is helping the father. The baby and father will win. They are pulling harder.

Story 3.-- The lion will conk the mouse over the head with the pipe so he won't come out. The lion is lame 'cause he has the cane. The smoke from the pipe will make him sick.

Story 4.-- They are going to the house. They were at the store. The mother wants them to be careful or she might drop the groceries. They have to get home before it gets dark. The babies will go to bed when they get home.

Story 5.-- It looks like it's snowing. Two babies are sleeping. Two people are in the bed. They are all sleeping. The light is on because you can see it.

Story 6.-- They are in a cave -- The father bear, the mother bear, and the little baby. They are laying down; they're sound asleep.

Story 7.-- The tiger will get him. The tiger scared the monkey and it looks like he's falling from the tree. The tiger will eat him.

Story 8.-- The father is telling the kid monkey to go to bed. He feels sad. He wants to stay up later. The father tells him to wash his hands before he goes to bed.

Story 9.-- A girl is sleeping. The door is open. She doesn't want to be in the dark. The light is on. She's not sleeping. She's looking out the door. She sees her mother watching T. V.

Story 10.-- The little dog doesn't want to go in to the bathtub. I don't like to go in the tub. But when I get in I play with my toys. He is barking. His mother is getting mad. She's going to spank him. She'll put him to bed.

Protocol 18

Story 1.-- Three donkeys are eating soup. The mother is

Protocol 17

Story 1.-- They are getting ready to eat the food in the big bowl. The father chicken is looking at them so that nothing will happen. They start eating and the stuff would go on the floor.

Story 2.-- They are pulling a rope -- the baby bear, the father bear, and the mother bear. The baby is helping the father. The baby and father will win. They are pulling harder.

Story 3.-- The lion will work the mouse over the head with the stick so he won't come out. The lion is lame 'cause he has the cane. The mouse from the cave will make him stop.

Story 4.-- They are going to the house. They were at the store. The mother wants them to be careful or she might drop the groceries. They have to get home before it gets dark. The babies will go to bed when they get home.

Story 5.-- It looks like it's snowing. Two babies are sleeping. Two people are in the bed. They are all sleeping. The light is on because you can see it.

Story 6.-- They are in a cave -- The father bear, the mother bear, and the little baby. They are laying down; they're sound asleep.

Story 7.-- The tiger will eat him. The tiger scared the monkey and it looks like he's falling from the tree. The tiger will eat him.

Story 8.-- The father is telling the kid monkey to go to bed. He feels bad. He wants to stay up later. The father tells him to wash his hands before he goes to bed.

Story 9.-- A girl is sleeping. The door is open. She doesn't want to be in the dark. The light is on. She's not sleeping. She's looking out the door. She sees her mother watching her.

Story 10.-- The little dog doesn't want to go in to the bathtub. I don't like to go in the tub. But when I get in I play with my love. He is bathing. His mother is getting mad. She's going to smack him. She'll put him to bed.

Protocol 18

Story 1.-- Three donkeys are eating soup. The mother is

watching them. If they spill the soup she will hit them.

Story 2.-- Three bears are pulling the rope. The baby is helping the father pull the rope. They are on a hill. The mother will win. She is pulling back more rope.

Story 3.-- The wolf is sitting down. The wold is thinking about the mouse. He'll try to get the mouse. He'll eat the mouse. The mouse will try to get away but he won't.

Story 4.-- Mother is going to see grandma. Baby is in the pouch. The little boy is riding on the bicycle. The mother is saying, "Come here." He is going too far away.

Story 5.-- The cat is in the crib. It is dark. The cat feels sad; he's in the dark. He's afraid of the dark. He's afraid the wolf might come.

Story 6.-- The bears are in the woods laying down. They are sleepy. Baby is laying down where there is nice soft leaves.

Story 7.-- The lion is running. The monkey is on the tree. There is ropes hanging. The lion is going to get the monkey. The monkey is waving his hands so he'll go away. The monkey will climb the tree. The lion will jump the tree. The monkey will jump off and get away.

Story 8.-- Four monkeys are sitting down. Two are drinking coffee. The mother is telling the little boy to get some coffee. He'll go and get the coffee.

Story 9.-- The rabbit is in the crib. The door is open. It's dark. He doesn't like it in the dark. He's afraid. He's afraid something might come in. The wolf might come in.

Story 10.-- The two dogs are in the bathroom. The baby dog is barking. He needs to go to the bathroom. The mother is sad. The little one doesn't know how to flush it. The mother picked him up to put him on the toilet. The mother will flush it for him.

Protocol 19

Story 1.-- Some chicks -- eating meat. The mommy rooster is watching them. Maybe they will spill something and she don't want them to. She'll call them "Naughty chicks".

Story 2.-- Father, mother, and baby are pulling on a rope. Daddy and baby are on one side. Mother is on the other side. Maybe the rope will bust. They'll fall down. They'll be all right.

Story 3.-- The lion wants to be a king. The lion is looking up at him. Maybe they'll have a fight and the lion will catch the mouse. The lion will eat him.

Story 4.-- They are going on a picnic, mother, baby, and brother. The little boy is riding a bike. Mother is telling them to be good.

Story 5.-- It's raining out. Two bears are going to bed in a crib. Next to a big bed. They'll go to sleep and wake up in the morning.

Story 6.-- Two bears and one baby bear. They are sleeping in a tunnel. Maybe somebody will come and wake them up. Bob will come and chase them out. Bob will shoot them. (Bob is a boy in the reading series.)

Story 7.-- This tiger is after a chimp. The chimp wanted to get away. Maybe a tiger will climb up a tree and catch him. He'll eat him.

Story 8.-- Two of them are whispering. A big one -- the mummy -- is telling the boy to be nice. The boy said, "I will be nice."

Story 9.-- The rabbit is going to bed. Maybe someone will wake him up. He'll wake up when they walk in. The mother will tell him to go to sleep. But he won't.

Story 10.-- The mother dog is spanking the little dog. Maybe the little dog forgot to wash the toilet. The mother called him, "A naughty, naughty boy." She said, "Don't do that again."

Protocol 20

Story 1.-- They birdies. They're having something. They're gonna eat. They're happy because they're having something. A chicken. He's watching the birdies. He's watching them eat. And that one (without bib) is looking at him. Then the next one looks. The chicken sees they're eating. And he sits down and eats. The chicken wonders what they're doing. One chicken wonders what he's doing. Now they're starting to eat. They're gonna put something in their dish. The chicken wonders what

...the ... on a ...
... the ... will be ...

... the ... the ...
... the ... the ...

... the ... the ...
... the ... the ...

... the ... the ...
... the ... the ...

... the ... the ...
... the ... the ...

... the ... the ...
... the ... the ...

... the ... the ...
... the ... the ...

... the ... the ...
... the ... the ...

... the ... the ...
... the ... the ...

... ..

... the ... the ...
... the ... the ...

... the ... the ...
... the ... the ...

They've got 'cause he thinks it's something good. He feels hungry. He's gonna come in and say, "Can I have some too?" They say, "Yes."

Story 2.-- This bear is pulling. The (mother bear and baby) and the father bear. Mother tries to pull one way and the father tries to pull the other way. The baby tries to help the mother. The father tries to pull them. The father is gonna fall, and the baby is gonna hurt its hands by pulling. The mother wants to go somewhere. They're pulling this way and that way. Mother wants to go downtown to get some candy for the baby bear. They're gonna see who's the strongest. The mother and baby let go and the father falls. The mother and baby went downtown. The father feels bad 'cause he hurt himself. The mother and baby feel happy. The baby is laughing 'cause he made his father fall.

Story 3.-- The lion is sitting down and he has a pipe and a cane. And there is a squirrel in the wood. The squirrel is looking at him to see what he's gonna do. He smokes his pipe. He's thinking about a squirrel, and the squirrel came out of the woods and sat down with the lion. He sat on the chair. He's gonna sit back; when the bear goes the squirrel will sit down. The lion is gonna go and take a walk. The squirrel will sit down. The squirrel is happy 'cause he wants to sit down. The squirrel's gonna climb on the chair. The lion will forget the cane and he'll get it. The lion is looking and the squirrel is looking at him. He (lion) is thinking he'll take a walk around the block and sit in the park and he'll come back and sit in the chair, and the squirrel will see him and run in the hole. The lion will lean back in the chair. The squirrel comes out in back of the chair and sits down. The lion is sad 'cause he wants to do something.

Story 4.-- He's riding on a bike. This one is walking and the baby has an apple. The mother has a basket with milk. They're going to go to their house. The baby will go out and play. The mother's gonna do the dishes. The brother is gonna play with friends. He's gonna call them. The mother says, "Where are you gonna go?" The brother say, "To call my friends." The mother say, "What are you gonna do?" The baby brother says, "Play hide-and-go-seek." The baby goes and plays with the toys and the brother plays hide-and-go-seek.

Story 5.-- The kitten lost her mitten and the mother said, "You won't get any pie." The kitten found the mitten, so the mother said, "You can have some pie." It gets dark and the kitten goes to bed. It gets day time and they get up and get dressed and they eat breakfast and they go out. They get some candy and go out and play ring-around-a-rosie. They put the

They've got because he thinks it's something good. He feels
happy. "My's gonna come in and say, 'Can I have some food?'"
They eat.

Story 2. -- "The bear is pulling. The mother bear and
baby and the father bear. Mother tries to pull one way and
the father tries to pull the other way. The baby tries to help
the mother. The father tries to pull them. The father is gonna
fall, and the baby is gonna hurt its hands by pulling. The
mother wants to go somewhere. They're pulling this way and that
way. Mother wants to go downtown to get some candy for the baby
bear. There's gonna see who's the strongest. The mother and the
father go and the father falls. The mother and baby went down-
town. The father feels bad because he hurt himself. The mother
and baby feel happy. The baby is laughing because he made his
father fall.

Story 3. -- "The lion is sitting down and he has a nice and
a cane. And there is a squirrel in the wood. The squirrel is
looking at him to see what he's gonna do. He smokes his pipe.
The lion is thinking about a squirrel, and the squirrel came out of the
wood and sat down with the lion. He sat on the chair. He's
gonna sit back; when the bear goes the squirrel will sit down.
The lion is gonna go and take a walk. The squirrel will sit
down. The squirrel is happy because he wants to sit down. The
squirrel is gonna sit on the chair. The lion will forget the
cane and he'll get it. The lion is looking and the squirrel is
looking at him. He (the lion) is thinking he'll take a walk around
the block and sit in the yard and he'll come back and sit in the
chair, and the squirrel will see him and run in the hole. The
lion will lean back in the chair. The squirrel comes out in
back of the chair and sits down. The lion is sad because he
wants to do something.

Story 4. -- "The lion is riding on a bike. This one is walking and
the baby has an apple. The mother has a basket with milk.
They're going to go to their house. The baby will go out and
play. The mother is gonna go to the dishes. The brother is gonna
play with Eric. He's gonna tell them. The mother says,
"There are you gonna go?" The brother says, "To call my friends."
The mother says, "What are you gonna do?" The baby brother says,
"Play hide-and-go-seek." The baby goes and plays with the boys
and the brother plays hide-and-go-seek.

Story 5. -- "The kitten lost her kitten and the mother said,
"You won't get any pie." The kitten found the kitten, so the
mother said, "You can have some pie." It gets dark and the
kitten goes to bed. It gets day time and they get up and get
dressed and they eat breakfast and then go out. They get some
candy and go out and play hide-and-go-seek. They out the

lamp out and go downstairs and the father bear goes to work and the kittens go in and get cookies and milk and go out and play.

Story 6.-- The bears are going to sleep under the tunnel. They're gonna go under the tunnel and go to sleep. The father and the mother and they're gonna get up and go downtown and shop and come back and go to the park and sit down and then go in and take a rest. They will sit and watch T.V. They have some cookies and beer and set and watch T.V. They watch the clown. They're laughing because the clown does funny tricks and always falls. They go to the yard and sit down and get some cool air, and shut off the T.V.

Story 7.-- The lion's gonna get the monkey and the monkey will climb a tree. He doesn't know that the lion can climb. The lion ate him up and he got fatter and had a drink at the ocean. They're in the jungle and there is a net. The monkey cries because he sees the lion. The lion likes to eat everybody and get fatter.

Story 8.-- That's the girl-mother -- and that's the boy and the father and the little boy. And she's having coffee and the big boy is having coffee. And they're watching T.V. The little boy goes out to play and the father says, "Don't fight or you'll come in and get a licking." There's a picture of the aunt. The little boy goes out and fights and he bets a licking and goes to bed. And he opens the door and goes out and comes in and gets a licking and then the father calls him in. Then he goes to bed. He cried. The daddy feels bad 'cause he doesn't like to hit little boys.

Story 9.-- The rabbit is going to bed and then he gets up and he gets dressed and goes out to play and he goes downstairs and eats. And he goes out and shuts the door and opens the curtains and goes and plays with his friends. He's happy 'cause he likes to get the cold air.

Story 10.-- The father bear and the baby are fighting for the chair and the father says, "You sit on my lap." And the baby says, "No", 'cause he wants to go out and he wants to go to the bathroom and then he goes out and he'll scratch himself because he's sticky. When he goes out he falls down the stairs and gets hurt. He comes in crying and the father gives him a bandaid and wipes the blood with the towel. The baby sits on the father's lap and they go and watch T.V.

Protocol 21

Story 1.-- They are eating. They are having soup. The father is looking at them. He wants some. He'll get and eat

lame out and go downstairs and the father bear goes to work and
the kitchen to get cookies and milk and go out and play.

Story 6. -- The bears are going to sleep under the tunnel.
They're going to sleep under the tunnel and go to sleep. The father
and the mother and they're going to go up and go downtown and shop
and come back and go to the park and sit down and then go in and
take a rest. They will sit and watch T.V. They have some
cookies and beer and eat and watch T.V. They watch the clown.
They're laughing because the clown does funny tricks and always
falls. They go to the yard and sit down and get some cool air
and shut off the T.V.

Story 7. -- The lion's gonna get the monkey and the monkey
will climb a tree. He doesn't know that the lion can climb
the lion ate him up and he got better and had a drink at the
ocean. They're in the jungle and there is a net. The monkey
cries because he sees the lion. The lion likes to eat everybody
and get better.

Story 8. -- That's the girl-mother -- and that's the boy and
the father and the little boy. And she's having coffee and the
little boy is having coffee. And they're watching T.V. The little
boy goes out to play and the father says, "Don't fight or you'll
come in and get a licking." There's a picture of the aunt. The
little boy goes out and fights and he gets a licking and goes to
bed. And he opens the door and goes out and comes in and gets
a licking and then the father calls him in. Then he goes to bed.
He cries. The daddy feels bad 'cause he doesn't like to hit
little boys.

Story 9. -- The rabbit is going to bed and then he gets up
and he gets dressed and goes out to play and he goes downstairs
and eats. And he goes out and shuts the door and opens the
curtains and goes and plays with his friends. He's happy 'cause
he likes to eat the cold air.

Story 10. -- The father bear and the baby are fighting for
the chair and the father says, "Go sit on my lap." And the
baby says, "No," 'cause he wants to go out and he wants to go to
the bathroom and then he goes out and he'll scratch himself
because he's itchy. When he goes out he falls down the stairs
and gets hurt. He comes in crying and the father gives him a
bandaid and wipes the blood with the towel. The baby sits on
the father's lap and they go and watch T.V.

Protocol 21

Story 1. -- They are eating. They are having soup. The
father is looking at them. He wants some. He'll get and eat

it all. They won't have any more to eat. They'll feel awful and they'll cry. The father will thank them but they will still feel awful.

Story 2.-- They are on a cliff. The two big bears, the mother and the father, are pulling the baby up. They don't want him to fall. They put a knot on the end and when he hits the knot he won't go down.

Story 3.-- He's a lion but he's a real man. He's sitting down. He'll go after the mouse. His eyes look at the mouse. He'll eat the mouse.

Story 4.-- The little brother is riding the bike. He went to market with his mother. They are going home. The sister is holding a balloon. The mother told her to hold up the balloon or she (the mother) might step on it.

Story 5.-- It's dark out; there's no light on. There are two beds -- the mother and father are in bed and two little bears are in bed. The little bears are awake. They are playing. They are scared of the dark. The mother and father will wake up. The little bears will be glad. They will turn on the light and then they will go to sleep and they won't be scared.

Story 6.-- They are in a cave sleeping. The little bear is awake. The mother bear thought he was asleep. He sees an animal. He goes to eat it. The mother wants some too. He eats it all and the mother is mad and she spans him.

Story 7.-- The lion is the toughest one there. The lion is going to eat the monkey. The monkey will climb up the tree while he has the time to do it. The tiger gets the monkey and eats him.

Story 8.-- Two of the bears didn't have anything. The other two bears had coffee. Two bears are telling a secret. The bears are talking about the mother and the bear. because she's going to spank the bear. He was a naughty boy. He ate everything.

Story 9.-- The little boy is sick. He has to stay in bed all day and all night. He's mad. He's trying to get out of bed. He's trapped in bed. He's trying to reach out but he can't and he's mad. He will get out of bed and go out. He kicks his feet and break the bed and get out.

Story 10.-- The father was spanking the boy. The boy was naughty. He broke a glass in the bathroom. The father made the boy pick the glass up. The boy felt awful because he broke the glass and he had to clean up.

in all. They won't have any more to eat. They'll feel awful and they'll cry. The father will thank them but they will still feel awful.

Story 2.-- They are on a cliff. The two big bears, the mother and the father, are pulling the baby up. They don't want him to fall. They cut a piece on the end and when he hits the ground he won't go down.

Story 3.-- He's a lion but he's a real man. He's sitting down. He'll go after the mouse. His eyes look at the mouse. He'll eat the mouse.

Story 4.-- The little brother is riding the bike. He wants to eat with his mother. They are going home. The sister is holding a balloon. The mother told her to hold up the balloon or she (the mother) might step on it.

Story 5.-- It's dark out; there's no light on. There are two beds -- the mother and father are in bed and two little bears are in bed. The little bears are awake. They are playing. They are scared of the dark. The mother and father will wake up. The little bears will be glad. They will turn on the light and then they will go to sleep and they won't be scared.

Story 6.-- They are in a cave sleeping. The little bear is awake. The mother bear thought he was asleep. He sees an animal. He goes to eat it. The mother eats some too. He eats it all and the mother is mad and she scolds him.

Story 7.-- The lion is the roughest one there. The lion is going to eat the monkey. The monkey will climb up the tree while he has the time to do it. The tiger eats the monkey and eats him.

Story 8.-- Two of the bears didn't have anything. The other two bears had coffee. Two bears are telling a secret. The bears are talking about the mother and the bear. Because she's going to speak the bear. He was a naughty boy. He ate everything.

Story 9.-- The little boy is sick. He has to stay in bed all day and all night. He's mad. He's trying to get out of bed. He's trapped in bed. He's trying to reach out but he can't and he's mad. He will get out of bed and go out. He kicks his foot and breaks the bed and gets out.

Story 10.-- The father was spanking the boy. The boy was naughty. He broke a glass in the bathroom. The father made the boy pick the glass up. The boy felt awful because he broke the glass and he had to clean up.

Protocol 22

Story 1.-- The chickens are eating. The mother is looking at them. She doesn't want them to go away. They might get lost. They would have no food if they got lost. They'd die.

Story 2.-- The daddy and baby are trying to pull the mother away, that way. They want to go different ways. They want to go down the other side of the mountain. They all might fall -- but they don't. The mother goes down the mountain with the daddy and baby.

Story 3.-- There's a cane here and a mouse in a hole. The tiger is smoking a pipe sitting in a chair. The tiger will go away. He'll go in the woods and find something to eat. He's hungry. He wants some meat.

Story 4.-- The gunnies are going to the store. They are going home. The boy has a balloon. The baby is riding his bike home. The mother wants them to hurry up. The boy didn't want to hurry. He's in mother's thing. The boy wants to ride the baby's bike. He can't. He has to stay in the mother's thing.

Story 5.-- There's a bed and a crib with two bears in it. There's a lamp. It's dark out and they are talking to each other about what they are going to do in the sandbox. They will play with the trucks and the sand. It's night time out.

Story 6.-- Three bears are in a cave. There's a root coming out. A baby is awake. The cave might fall in. They would be killed.

Story 7.-- The tiger is jumping out from the woods. He wants to eat the monkey. If the monkey doesn't get in the tree in time, he'll be ate up. The monkey is too slow and the tiger ate him.

Story 8.-- There's two monkeys talking. They got a cup of coffee. The mother is talking to the little boy. The boy had a fight. The fight was about candy. He had a fight with his father. He wanted some candy. He went to mother and told his mother that father wouldn't let him have candy. Mother told him to go outside and play. He didn't want to go but he went.

Story 9.-- There's a bunny there. There's a picture, and a lamp. It is night-time. The door is open. The bunny is afraid someone is going to take him. He'll cry and call his mother. She'll come and call father. The father kill the robber.

Story 10.-- A doggie -- a mother and baby doggie. He wants

Protocol 22

Story 1. -- The chickens are eating. The mother is looking at them. She doesn't want them to go away. They might get lost. They would have no food if they got lost. They'd die.

Story 2. -- The daddy and baby are trying to walk the mother away. That way. They want to go different ways. They want to go down the other side of the mountain. They all might fall -- but they don't. The mother goes down the mountain with the daddy and baby.

Story 3. -- There's a can here and a mouse in a hole. The tiger is smoking a pipe sitting in a chair. The tiger will go away. He'll go in the woods and find something to eat. He's hungry. He wants some meat.

Story 4. -- The yuppies are going to the store. They are going home. The boy has a balloon. The baby is riding his bike home. The mother wants them to hurry up. The boy didn't want to hurry. He's in mother's thing. The boy wants to ride the daddy's bike. He can't. He has to stay in the mother's thing.

Story 5. -- There's a bed and a crib with two bears in it. There's a lamp. It's dark out and they are talking to each other about what they are going to do in the sandbox. They will play with the trucks and the sand. It's night time out.

Story 6. -- Three bears are in a cave. There's a foot coming out. A baby is awake. The cave might fall in. They would be killed.

Story 7. -- The tiger is jumping out from the woods. He wants to eat the monkey. If the monkey doesn't get in the tree in time, he'll be ate up. The monkey is too slow and the tiger ate him.

Story 8. -- There's two monkeys talking. They got a cup of coffee. The mother is talking to the little boy. The boy had a light. The light was about candy. He had a light with his father. He wanted some candy. He went to mother and told his mother that father wouldn't let him have candy. Mother told him to go outside and play. He didn't want to go but he went.

Story 9. -- There's a bunny there. There's a picture, and a lamp. It is night-time. The door is open. The bunny is afraid someone is going to take him. He'll cry and call his mother. She'll come and call father. The father will the robber.

Story 10. -- A doggie -- a mother and baby doggie. He wants

to go to the bathroom. The mother is giving the doggie a spanking because he spilled some milk on the kitchen floor. His mother is spanking him "cuz" she don't like it. The doggie is crying.

Protocol 23

Story 1.-- It was three little birds. They were eating food. A big bird came along and wanted some food. The birds said, "No." A hen said, "If you don't give me some I'll peck you." The little birds said "No, no, no." A hen pecked him and brought him to her nest and ate him. He came back to the other two birds and said, "Does anyone else want to be eaten?" And the other two said, "No." "Then give me some food." They gave him some food.

Story 2.-- Three little bears. They were having a tug of war. The big bear (on right) and little bear were having a fight with the other bear. Then night came. They layed down and the morning came. The big bear ate up the other bear (lone), and said, "I'm still hungry, I'll eat you up." So the little bear ran to the other bears. "Our uncle is gonna eat us up, so run, run to a tree and climb." Then the mother bear in another tree said, "The uncle bear will eat us up, so stay up in the tree where he can't find us." He didn't find them. All the little bears and the mother bear ate up the uncle bear.

Story 3.-- King of a lion smoking his pipe on a chair with his cane. My sis is sick. This afternoon I'll get homework. Water is going over the sea (behind chair). A moust is ready to get some cheese out of his nest. The lion got him and ate him up. Lion is hungry and goes in the water to get fish, but mouse is alive in lion's tummy and the mouse wanted to get out of the lion's body. The lion opened his mouth and the mouse ran out. Lion said, "You come back here or else I swim after you and get all my friends after you in the sea." "Can I have a glass of H₂O?" (Gets drink) My friend had a fight. He didn't beat me up. Another lion caught mouse and said, "I'm gonna bring you to a king. King said, "This is the mouse I wanted to eat." Mouse got caught and was eaten by king lion and another mouse came in his place. Lion king was so bad. He wanted the mouse's gold. Lion found gold, but little mouse killed the king of the lions and others were killed by a rail. They went up on them and six men threw knives and every knife went into a lion.

Story 4.-- Kangaroo bring food to his next with other kangaroo on a bike. Hoppin, hop, hop through woods till they saw a bird they wanted for a pet. Bird flew away, and a bunny

to go to the bathroom. The mother is giving the doggie a spanking because he spilled some milk on the kitchen floor. His mother is spanking him "cuz" she don't like it. The doggie is crying.

Protocol 23

Story 1.-- It was three little birds. They were eating food. A big bird came along and wanted some food. The birds said, "No." A hen said, "If you don't give me some I'll peck you." The little birds said "no, no, no." A hen pecked him and brought him to her nest and ate him. He came back to the other two birds and said, "Does anyone else want to be eaten?" And the other two said, "No." "Then give me some food." They gave him some food.

Story 2.-- Three little bears. They were having a tug of war. The big bear (on right) and little bear were having a fight with the other bear. When night came. They layed down and the morning came. The big bear ate up the other bear (lone) and said, "I'm still hungry. I'll eat you up." So the little bear ran to the other bears. "Our uncle is gonna eat us up, so run, run to a tree and climb." Then the mother bear in another tree said, "The uncle bear will eat us up, so stay up in the tree where he can't find us." He didn't find them. All the little bears and the mother bear ate up the uncle bear.

Story 3.-- King of a lion smoking his pipe on a chair with his cane. He is sick. His afternoon I'll get homework. Water is going over the sea (behind chair). A mouse is ready to get some cheese out of his nest. The lion got him and ate him up. Lion is hungry and goes in the water to get fish, but mouse is alive in lion's tummy and the mouse wanted to get out of the lion's body. The lion opened his mouth and the mouse ran out. Lion said, "You come back here or else I swim after you and get all my friends after you in the sea." "Can I have a glass of water?" (gets drink) My friend had a fight. He didn't beat me up. Another lion caught mouse and said, "I'm gonna bring you to a king." King said, "This is the mouse I wanted to eat." Mouse got caught and was eaten by king lion and another mouse came in his place. Lion king was so bad. He wanted the mouse's gold. Lion found gold, but little mouse killed the king of the lions and others were killed by a rat. They went up on him and six men threw knives and every knife went into a lion.

Story 4.-- Kangaroo bring food to his next with other kangaroo on a bike. Hoppin, hop, hop through woods till they saw a bird they wanted for a pet. Bird flew away, and a bunny

saw kangaroo. "Maybe he could be our pet." Bunny hopped up tree. Kangaroo hopped up the tree. Bunny got away then. Three kangaroos saw a house that they could live in. "Whoever is there could be our pet." Then a bunny ran to his house. The mother kangaroo heard someone coming. The bunny came in the house and kangaroo got him for a pet. And all - all his friends were eaten by the father kangaroo. I want to lay down.

Story 5.-- Two little cats in a bed, and they wanted to get out a window and get some food. The mother bear was up, so how can they? So they got two dummies like each other and then the two bears got the lock off of the window. Then they went out and got food. And brought it to the mother bear and they cut the dummies. They thought the dummies was not a baby and they cut his head off. But it was a real live baby. And the mother sent them right to bed. And the mother bear and father bear were in bed too.

Story 6.-- Three little bears in the tunnel and they were sleeping. But little bear was not sleeping, and he ran away to the someone's house to get some food for the father and mother. But the baby bear in the house wouldn't give him food. So he went to another and that house gave him one piece. And he went to a house with a fox and got eaten up. Two other bears, mother and father, looked all over until the fox said, "I will eat you up too if I have to." They got a stick and fought with it. The fox killed the bears and ate them up.

Story 7.-- Lion and chimp. Lion is after chimp. Chimp ran up a tree and threw sticks at lion, and his friends were up there. The chimp made another chimp dummy like himself and threw it to lion and lion ate the dummy and died. And another lion came and ate up the real chimp.

Story 8.-- Four chimps. Four were in a beauty shop. One with a man and one with a boy. And the boy got suspicious that gold was around his house. He looked under the chair, the couch, the picture, and mother gave him a beating for looking. He didn't know the gold was under his pillow. He lost a tooth and looked in the pillow and there was the gold.

Story 9.-- It was a robbers sleeping on his gold and two lion robbers wanted the gold. The rabbit said, "No, no, no." Then the two lion robbers said, "If you don't give it to us, we'll set your house on fire." So he had to give them the gold. The other robber set the house on fire and the little rabbit got killed.

Story 10.-- Two little dogs were going to the bathroom to see who could beat to the bathroom. The little puppy said, "I'm gonna kill and bury you on a farm where hay is, and when we pick up the hay you will be right in it." The big puppy got killed

and kangaroo. "Maybe he could be our pet." Bunny hopped up
three. Kangaroo hopped up the tree. Bunny got away from three
kangaroos saw a house that they could live in. "However
there could be our pet." Then a bunny ran to his house. The
mother kangaroo heard someone coming. The bunny came in the
house and kangaroo got him for a pet. And all - all his
friends were eaten by the father kangaroo. I want to lay down.

Story 5. -- Two little cats in a bed, and they wanted to
get out a window and get some food. The mother bear was up, so
how can they? So they got two dumplings like each other and then
the two bears got the lock off of the window. Then they went
out and got food. And brought it to the mother bear and they
out the dumplings. They thought the dumplings was not a baby and
they cut his head off. But it was a real live baby. And the
mother went them right to bed. And the mother bear and father
bear were in bed too.

Story 6. -- Three little bears in the tunnel and they were
sleeping. But little bear was not sleeping. And he ran away to
the someone's house to get some food for the father and mother.
But the baby bear in the house wouldn't give him food. So he
went to another and that house gave him one piece. And he went
to a house with a fox and got eaten up. Two other bears, mother
and father, looked all over until the fox said, "I will eat you
up too if I have to." They got a stick and fought with it.
The fox killed the bears and ate them up.

Story 7. -- Lion and chimps. Lion is after chimps. Chimp ran
up a tree and threw sticks at lion, and his friends were up
there. The chimps made another chimp dummy like himself and
threw it to lion and lion ate the dummy and died. And another
lion came and ate up the real chimp.

Story 8. -- Four canines. Four were in a beauty shop. One
with a man and one with a boy. And the boy got a condition that
gold was around his house. He looked under the chair, the
couch, the picture, and mother gave him a beating for looking.
He didn't know the gold was under his pillow. He lost a tooth
and looked in the pillow and there was the gold.

Story 9. -- It was a robber sleeping on his gold and two lion
robbers wanted the gold. The rabbit said, "No, no, no." Then
the two lion robbers said, "If you don't give it to us, we'll
set your house on fire." So he had to give them the gold. The
other robber set the house on fire and the little rabbit got
killed.

Story 10. -- Two little dogs were going to the bathroom to
see who could go to the bathroom. The little puppy said, "I'm
gonna kill and bury you on a farm where you is, and when we dig
up the hay you will be right in it." The big puppy got killed.

and the little puppy got killed. I'm so tired I can't do no more.

Protocol 24

Story 1.--- They are eating mushrooms. The mother is watching the children eat. She wants them to eat. She told them to hurry up and eat.

Story 2.--- The mother bear and baby are pulling the rope from father. The father wants the rope. The mother wants the rope. Mother will get the rope.

Story 3.--- The tiger is sitting in the chair. The mouse is coming out of the cave. The mouse will walk. The tiger will run and get the mouse and eat him.

Story 4.--- The rabbit mother is jumping, the baby has the balloon. The boy has the bike. They are going to the store. They feel fine. They'll buy milk and food at the store.

Story 5.--- The baby is sleeping in the bed with a teddy. The mother and father are under the covers. The baby is awake. The baby wants to get up and eat. He'll stay in bed because his father and mother don't want him to get up.

Story 6.--- The mother and father are in the cave. The baby is out eating some leaves. A man will come along and shoot the mother and father. He'll take the baby and eat the baby. The mother will come along and eat the man and the baby will come out of the man. Another man will shoot the father and mother. The man will eat the father and mother. He'll find the baby and eat him too.

Story 7.--- The lion will eat the monkey. The monkey will go in the house. The lion will go after him and eat the monkey.

Story 8.--- The child and another one is having tea. They are talking. They told the father and the child to go home. The father and the child will eat when they get home.

Story 9.--- The mother is sleeping in her bed. The door is open. The boy rabbit is in bed. He wants some food. He'll get up and eat. Then he'll go back to bed.

Story 10.--- The father is spanking the child. He has been bad. He took down his pants. The father is spanking him and the child is saying "Ouch".

and the little puppy got killed. I'm so tired I can't do no more.

Protocol 24

Story 1.--- They are eating mushrooms. The mother is watching the children eat. She wants them to eat. She told them to hurry up and eat.

Story 2.--- The mother bear and baby are pulling the rope from father. The father wants the rope. The mother wants the rope. Mother will get the rope.

Story 3.--- The tiger is sitting in the chair. The mouse is coming out of the cave. The mouse will walk. The tiger will run and eat the mouse and eat him.

Story 4.--- The rabbit mother is jumping. The baby has the balloon. The boy has the bike. They are going to the store. They feel fine. They'll buy milk and food at the store.

Story 5.--- The baby is sleeping in the bed with a teddy. The mother and father are under the covers. The baby is awake. The baby wants to get up and eat. He'll stay in bed because his father and mother don't want him to get up.

Story 6.--- The mother and father are in the cave. The baby is out eating some leaves. A cat will come along and shoot the mother and father. He'll take the baby and eat the baby. The mother will come along and eat the man and the baby will come out of the man. Another man will shoot the father and mother. The man will eat the father and mother. He'll find the baby and eat him too.

Story 7.--- The lion will eat the monkey. The monkey will go in the house. The lion will go after him and eat the monkey.

Story 8.--- The child and another one is having tea. They are talking. They told the father and the child to go home. The father and the child will eat when they get home.

Story 9.--- The mother is sleeping in her bed. The door is open. The boy rabbit is in bed. He wants some food. He'll get up and eat. Then he'll go back to bed.

Story 10.--- The father is spanking the child. He has been bad. He took down his pants. The father is spanking him and the child is saying "Ouch".

Protocol 25

Story 1.-- Chickens are eating and they have a spoon and table and bowl and chair and food and tablecloth. They go out for a walk and they want some food and they found some and came home and cooked it and then they sat down to table to eat. They feel fine 'cause they had some food.

Story 2.-- Three bears. The father and the mother and the baby want the rope. There's dirt and the sky. They got the rope and tied it and have fun jumping over it.

Story 3.-- Lion. Pipe. Chair. Cane. A rug and wood and mouse and a lion and what else and a house. The lion went out and found something and got it and brought it home and ate it. He felt fine 'cause he had food.

Story 4.-- Forest, grass, bike, animal, kangaroo, baby, balloon, basket, house. They went home and they had milk and went out and when it was cloudy, they went in 'cause it rain. They had to 'cause it was raining, 'cause they wanted to go out and play.

Story 5.-- Crib, floor, bear, another bear, big bed, house. The three bears went to sleep, they woke up and had breakfast and went out and played.

Story 6.-- Bear and wood and leaves and grass. They went out. It was not raining and they had fun and the mother was cleaning and the father washed the dishes and the baby played.

Story 7.-- Tiger and monkey in a jungle and trees and leaves and trees. The lion caught the monkey and he went home and shared it with all the other lions. He felt fine 'cause he had something to eat.

Story 8.-- Monkey, monkey, monkey, monkey. Mirror, door, couch, stool. They're eating coffee. They went home and they went to sleep. They felt fine 'cause they had sleep.

Story 9.-- A bunny, door, house, mirror, light, window. The bunny went out and ate breakfast and went out and played. The mother washed the dishes and the father cleaned the house.

Story 10.-- They went out and played. They dug a hole. The two puppies. The father is washing the baby, 'cause he's dirty. The baby feels fine 'cause he got washed.

Protocol 38

Story 1.--- Chickens are eating and they have a spoon and table and bowl and chair and foot and tablecloth. They go out for a walk and they want some food and they found some and came home and cooked it and then they sat down to table to eat. They felt fine 'cause they had some food.

Story 2.--- Three bears. The father and the mother and the baby went to the rope. There's a bird and the sky. They got the rope and tied it and have fun jumping over it.

Story 3.--- Lion. Tiger. Bear. A rug and wood and mouse and a lion and what else and a house. The lion went out and found something and got it and brought it home and ate it. He felt fine 'cause he had food.

Story 4.--- Forest, grass, Mike, animal, kangaroo, baby, balloon, basket, house. They went home and they had milk and went out and when it was cloudy, they went in 'cause it rained. They had to 'cause it was raining, 'cause they wanted to go out and play.

Story 5.--- Trip, floor, bear, another bear, big bed, house. The three bears went to sleep, they woke up and had breakfast and went out and played.

Story 6.--- Bear and wood and leaves and grass. They went out. It was not raining and they had fun and the mother was cleaning and the father washed the dishes and the baby played.

Story 7.--- Tiger and monkey in a jungle and trees and leaves and grass. The lion caught the monkey and he went home and shared it with all the other lions. He felt fine 'cause he had something to eat.

Story 8.--- Monkey, monkey, monkey, monkey, mirror, door, couch, stool. They're eating coffee. They went home and they went to sleep. They felt fine 'cause they had sleep.

Story 9.--- A bunny, door, house, mirror, light, window. The bunny went out and ate breakfast and went out and played. The mother washed the dishes and the father cleaned the house.

Story 10.--- They went out and played. They dug a hole. The two puppies. The father is washing the baby. 'cause he's dirty. The baby feels fine 'cause he got washed.

APPENDIX A

TEST PROTOCOLS

Normal Girls

Protocol 1

Story 1--- The birds are eating pudding and a rooster came and knocked on the door and said, "Hello, may I come and join you? Bye." They were feeling fine. And they looked at him.

Story 2--- The three bears are pulling a rope and the baby bear almost fell down. The mother and father bear took the rope home and they ate. Then the father bear said, "I'm gonna tell you a story, baby bear, before you go to bed." And "Good night, Baby bear." And that's all. (Father and baby together-- Mother alone.)

Story 3--- Is that a lion? He's sitting down, smoking a pipe and eating his paws. And a mouse peeked out of his hole and said, "What are you doing here?" The lion jumped and scratched him and he ran home and peeked out of his hole again and said, "Bood-bye, squeak, squeak." The lion got mad at him 'cause the mouse didn't want him sitting in the chair.

Story 4--- The kangaroo taking a jump around with the baby kangaroo in his pocket. And he has a beautiful hat and a beautiful pocket-book. I got a pocket-book at home - and they're gone on a picnic. He's riding a bike to a picnic too. They feel fine.

Story 5--- Bears again. The bears are laying in the crib talking to their feet. The father and mother have the blankets over their heads. "Good-bye", said father and mother bear. "Thank you." That's all they said. They said good-bye, 'cause they didn't want the baby any more, 'cause the baby bear has to go to school. Could you erase that?

Story 6--- Bears again. When am I gonna get rid of these bears? The baby bear's home is in his forest so the mother and father scratches the wall and the baby bear gets scared and wakes up.

Story 7--- OOOOh! What's this. That's a monkey and that's a tiger. The tiger jumps out of the woods and the monkey jumps up in a tree and says, "Quack, quack." Ducks say quack, quack. (Gets up and plays with pencil sharpener.) Is that in-- this in your little desk? Huh? (Gets on scale, weighs self.)

APPENDIX A
TEST PROTOCOLS

Normal Girls

Protocol I

Story 1.--- The birds are eating budding and a rooster came and knocked on the door and said, "Hello, may I come and join you? Bye." They were feeling fine. And they looked at him.

Story 2.--- The three bears are pulling a rope and the baby bear almost fell down. The mother and father bear took the rope home and they ate. Then the father bear said, "I'm gonna tell you a story, baby bear, before you go to bed." And "Good night, baby bear." And that's all. (Father and baby together-- Mother alone.)

Story 3.--- Is that a lion? He's sitting down, smoking a pipe and eating his paw. And a mouse peeked out of his hole and said, "What are you doing here?" The lion jumped and scratched him and he ran home and peeked out of his hole again and said, "Good-bye, squeak, squeak." The lion got mad at him 'cause the mouse didn't want him sitting in the chair.

Story 4.--- The kangaroo taking a jump around with the baby kangaroo in his pocket. And he has a beautiful hat and a beautiful pocket-book. I got a pocket-book at home - and they're gone on a picnic. He's riding a bike to a picnic too. They feel fine.

Story 5.--- Bears again. The bears are laying in the crib talking to their feet. The father and mother have the blankets over their heads. "Good-bye," said father and mother bear. "Thank you." That's all they said. They said good-bye, 'cause they didn't want the baby any more, 'cause the baby bear has to go to school. Could you erase that?

Story 6.--- Bears again. When am I gonna get rid of these bears? The baby bear's home is in his forest so the mother and father scratches the wall and the baby bear gets scared and wakes up.

Story 7.--- 00000! What's this. That's a monkey and that's a tiger. The tiger jumps out of the woods and the monkey jumps up in a tree and says, "Quack, quack." Ducks say quack, quack. (Gets up and plays with pencil sharpener.) Is that in this in your little desk? Huh? (Gets on scale, weighs self.)

They fight and the tiger goes home barking. (Closes closet. Peeks behind shade). The monkey stayed there.

Story 8.-- The father is pointing to the baby 'cause he wants the baby to eat its dinner. One more comes and says, "What's happening here?" They're drinking coffee too and mother looks in the window with her glasses on. And the father says, "Good-bye, Baby Bear. You're going to bed." And that's all. Baby feels bad 'cause he doesn't want to go to bed. He says good-bye.

Story 9.-- Hey! Rabbit's laying down and the mother went away and the rabbit woke up and said, "Oh, mother, I'm hungry." The mother came home and knocked on the door. The baby said, "I didn't know you were in bed."

Story 10.-- Hey, doggies--ooooo, but toilet too. The mother dog sits down. What are you writing down? What's a mother? The baby dog jumps over her knees and say, "Arp, arp." They feel fine, but the other baby dog is going to bed 'cause he feels sick. My baby sister eats by her tongue.

Protocol 2

Story 1.-- Three ducks, three spoons, three dishes, one big dish right in the middle, three chairs and a big turkey. They're sitting down to eat breakfast.

Story 2.-- There's a rope and three wolves, one big one, another big one and a baby one, and they're trying to pull the rope.

Story 3.-- There's a lion sitting in the chair with his cane and his pipe. The mouse is in the hole and he's looking at the lion.

Story 4.-- The kangaroo was walking, but the little boy was riding his bike and the mother was goin' shopping.

Story 5.-- There's two beds. The mother and father and the two babies are sleeping. There's the lamp and the bureau, the chair and the curtains.

Story 6.-- There's two wolves, the mother, baby and father. They're in a big hole with rocks on it. They're sleeping and the baby's eyes are open.

Story 7.-- The lion is after the monkey. The monkey is trying to get on the string. The lion was laying on the tree while he saw the monkey.

They fight and the tiger goes home parking. (Closes closet.
Peaks behind shade). The monkey stayed there.

Story 8.--- The father is pointing to the baby because he wants
the baby to eat his dinner. One more comes and says, "What's
happening here?" They're drinking coffee too and mother looks
in the window with her glasses on. And the father says, "Good-
bye, Baby Bear. You're going to bed." And that's all. Baby
feels bad because he doesn't want to go to bed. He says good-bye.

Story 9.--- Hey! Rabbit's laying down and the mother went
away and the rabbit woke up and said, "Oh, mother, I'm hungry."
The mother came home and knocked on the door. The baby said,
"I didn't know you were in bed."

Story 10.--- Hey, doggies-ooooo, but toilet too. The mother
dog sits down. What are you writing down? What's a mother? The
baby dog jumps over her knees and says, "Up, up." They feel
fine, but the other baby dog is going to bed because he feels
sick. My baby sister eats by her tongue.

Protocol 2

Story 1.--- Three ducks, three spoons, three glasses, one big
dish right in the middle, three chairs and a big turkey.
They're sitting down to eat breakfast.

Story 2.--- There's a rope and three wolves, one big one,
another big one and a baby one, and they're trying to pull the
rope.

Story 3.--- There's a lion sitting in the chair with his
cane and his pipe. The mouse is in the hole and he's looking at
the lion.

Story 4.--- The kangaroo was walking, but the little boy was
riding his bike and the mother was going shopping.

Story 5.--- There's two beds. The mother and father and the
two babies are sleeping. There's the lamp and the bureau, the
chair and the curtains.

Story 6.--- There's two wolves, the mother, baby and father.
They're in a big hole with rocks on it. They're sleeping and
the baby's eyes are open.

Story 7.--- The lion is after the monkey. The monkey is
trying to get on the string. The lion was laying on the tree
while he saw the monkey.

Story 8.-- There's the mother monkey, the father and the other father with the little boy. The mother and the father are having a cup of tea. The uncle's telling the little monkey to go to bed. The couch.

Story 9. -- The little rabbit 's in his crib in his own room with the drapes. The window, the little kitty, the door.

Story 10.-- The mother puppy was slapping him. Toilet. Bathtub. She's slapping him 'cause he's naughty. He wouldn't go in the bathtub.

Protocol 3

Story 1.-- They're eating. They feel fine. Their names are Carlene, Maureen--that's my cousin's name--and Charles. They're eating, eating at a table. They're all at a table on little stools. They're thinking about what they can be called, a short name. I want this one to be (one previously designated Carlene) "Nony." And they're at a table with four bowls. The big one has food in it. This one (previously called Maureen) is "Debbie," and this (formerly Charles) is a girl--I mean I'll call it Debora. That's the end?

Story 2.-- The bears are pulling, trying to get a rope from each other. I mean they're pulling a rope and this is the baby one named Barbara. And this one here is Florence, my mommie's name, -- Basteen. And this one (with small bear) is Dave or Deedee 'cause that's my father's name. This one's (previously called Florene) is Dorothy. And this one's Debora (Dave). My mommy works. I have to wait till she comes home. It's dark. They're pulling the rope 'cause the baby and father wants it. They--I--they live in a green house, light green. The father gets the rope and that's all.

Story 3.-- Eh (shows disgust, frowns) It's a lion. Is he a bad lion? I think he is a bad lion. He looks like a bad lion that eats everybody. I was sick yesterday. I was sick all last week, bad, bad, cold. I got from next door neighbors. And he's got a cane and pipe and he's sitting on a chair. What's this little thing? Why is he peeking out? He (lion) couldn't get in this cage could he? No, he couldn't get there. If he looked over there at this hole and this (mouse) looking out. He gets out through here (under chair) and when lion's away eating up people. And he's a wild animal and eats people. And the lion has black spots on his feet, and there are spots on the chair. He is a very bad lion and they're the ones that bite and they're the ones that eat ya, and that's the end.

Story 8. --- There's the mother monkey, the father and the other father with the little boy. The mother and the father are having a cup of tea. The uncle's telling the little monkey to go to bed. The couch.

Story 9. --- The little rabbit is in his crib in his own room with the drapes. The window, the little Kitty, the door.

Story 10. --- The mother puppy was slapping him. Toilet. Bathing. She's slapping him 'cause he's naughty. He wouldn't go in the bathtub.

Protocol 3

Story 1. --- They're eating. They feel fine. Their names are Carlene, Margaret--that's my cousin's name--and Charles. They're eating at a table. They're all at a table on little stools. They're thinking about what they can be called, a short name. I want this one to be (one previously designated Carlene) "Nony." And they're at a table with four bowls. The big one has food in it. This one (previously called Margaret) is "Dottie," and this (formerly Charles) is a girl--I mean I'll call it Debora. That's the end?

Story 2. --- The bears are pulling, trying to get a rope from each other. I mean they're pulling a rope and this is the baby one named Barbara. And this one here is Florence, my mommie's name. -- Barbara. And this one (with small bear) is Dave or Debbie 'cause that's my father's name. This one's (previously called Florence) is Dorothy. And this one's Debora (Dave). My mommie works. I have to wait till she comes home. It's dark. They're pulling the rope 'cause the baby and father wants it. They--I--they live in a green house, light green. The father gets the rope and that's all.

Story 3. --- Eh (shows disgust, frowns). It's a lion. Is he a bad lion? I think he is a bad lion. He looks like a bad lion that eats everybody. I was sick yesterday. I was sick all last week, bad, bad, cold. I got from next door neighbors. And he's got a cane and pipe and he's sitting on a chair. What's this little thing? Why is he peeking out? He (lion) couldn't get in this cage could he? No, he couldn't get there. If he looked over there at this hole and this (mouse) looking out. He gets out through here (under chair) and when lion's away eating up people. And he's a wild animal and eats people. And the lion has black spots on his feet, and there are spots on the chair. He is a very bad lion and they're the ones that bite and they're the ones that eat ye, and that's the end.

Story 4.-- I don't know what these are. I don't know what these are--kangaroos? There's three of them. The little ones carrying a balloon and his name's Maureen, 'cause that's my cousin's name. And the other one is riding a bicycle with three wheels on it, but you can't see the back one. And he has a hat and pocket book and there's Christmas trees and land. And this one (on bike) is called Barbara Mullaney. And this (big kangaroo), is Auntie Irene--Harfenan. Mommy (referring to big one again) and Eva (in pouch). What did I call this one? This is Karlene (on bike) and this is Aunt Florence (big one). And they're carrying food, balloon and bicycle and Florence is jumping over land carrying food, balloon and bicycle and Florence is jumping over land 'cause I don't think she likes it. Do you want me to kiss it? (does this) and that's the end.

Story 5.-- What's these? I don't know. I don't care. I got to have glasses to see and I forgot them. I guess they're little tiny kittens and they're laying in the crib and they have one pillow and they got three blankets on. And there is a lamp and table and I don't know where mother and daddy is in this picture. And there's the floor. I will call this one Debora Skanlin. That's my name, and there are three girls next door. Karlene, Dorothy, and Barbara. This one is Debora Skanlin and this one is Karlene. This is the library and no one can see us. And there is a big bed and the mother and father sleep in it, I guess. And there are three windows and there's a mat and a baby's crib. There should be two 'cause there are two babies. Everything is good 'cause cats are good, aren't they? They are bears! (peers at picture closely). There are all kinds of animals in the field and that's all.

Story 6.-- That isn't a good picture. What's this? Baby bear, Mommy (front figure) bear and daddy bear (back figure). This is Debora (baby). This is Dorothy (front figure--"mommy"), and this is Deedee. What are they laying on I wonder. This is their house and there's leaves for the baby bear. I guess these are wild bears. And there's a real house in the rest and there's chairs, desk, everything they're sposed to have. The baby bear has to lay. And there's grass and leaves around for the baby and nothing for the mother and daddy. The baby bear is good and the mother and daddy are awful, awful bad. The baby is so good that they leave the baby with someone else and the baby bear has to play outside. He likes to play outside, don't you? Call me Debora. And there's a big, round circle, get's rounder and rounder and the baby plays outside with other children.

Story 7.-- Eh--What's this? The one that has all the spots on 'em (tiger)---gorrilla you call. And why is he coming out. And he's got his mouth open and I bet a dollar he's gonna eat this monkey. You keep calling me Barbara. I take my sweater off and I hope the windows aren't open so I'll catch cold. This here

(monkey) feels awful and this here (tiger) doesn't feel any betterfeel any better. It turns out awful 'cause the tiger, I guess, is gonna eat this. He's falling off the tree (monkey). The tiger does eat him and that's all.

Story 8.-- Monkeys, monkeys, lookit! I don't like this story. There is one picture of a grandmother monkey and the other daddy monkey is telling something to the other baby. Scratch that--not that. Don't forget you're gonna let me write Irene. (She had previously asked to write this name--and had written it several times.) I did this last year with another teacher--played another game. (Long pause) I forgot already what happens. I was on television and that was the next door neighbor who was nervous. I was so glad. She never had been on television. I go every place with my mother. And there's one that is whispering to his father. They all feel all right and that's the end.

Story 9.-- You know what color machine my mommy got? It's about a rabbit, I think. The rabbit feels that he likes sleep. He sleeps all day. And the door's shut. He's fast asleep. And there's numbers down here and that's the end.

Story 10.-- I can't think of a dog story. Ha, ha, ha. The big dog is giving the baby dog a good whipping for going into the bathroom, from thinkling in the toilet and wiping himself on the towel. And it fell in the tub and he is whipped and goes to bed. And should I say "tinkle." I should have said "accident." They hear us (children in next room were standing near door, but were not aware of us in room). They're saying it. The dog got 12 whippings, and he got 900 and that's the end of the story.

Protocol 4

Story 1.-- Those little chickens were looking at the turkey. They liked it. After they ate it was so late that they couldn't even see the mother chicken. After they heard the mother chicken - They were ready to eat so the mother came in and gave the chickens some food. They felt fine 'cause they were hungry and the mother gave them food.

Story 2.-- Bears - two bears were fighting for the rope and the little bear was trying to get the rope and after the big papa bear got most of the rope, so he was trying more. The little bear wanted to get the rope for the middle bear (mamma). The little bear like the middle bear. The papa bear wins.

Story 3.-- A tiger was crying and once the Tiger was smoking a pipe. He was afraid after he hears somebody come in and he was frightened he wanted to hide but he couldn't 'cause he

monkey) feels awful and this here (tiger) doesn't feel any better
.....feel any better. It turns out awful 'cause the tiger, I
guess, is gonna eat this. He's falling off the tree (monkey).
The tiger does eat him and that's all.

Story 8.--- Monkeys, monkeys, look! I don't like this
story. There is one picture of a grandmother monkey and the
other daddy monkey is telling something to the other baby.
Gorilla that--not that. Don't forget you're gonna let me write
Irene. (She had previously asked to write this name--and had
written it several times.) I did this last year with another
teacher--played another game. (Long pause) I forgot already
what happens. I was on television and that was the next door
neighbor who was nervous. I was so glad. She never had been on
television. I go every place with my mother. And there's one
that is whispering to his father. They all feel all right and
that's the end.

Story 9.--- You know what color machine my mommy got? It's
about a rabbit. I think. The rabbit feels that he likes sleep.
He sleeps all day. And the dog's shut. He's fast asleep.
And there's numbers down here and that's the end.

Story 10.--- I can't think of a dog story. Ha, ha, ha. The
big dog is giving the baby dog a good whipping for going into
the bathroom. From thinking in the toilet and wiping himself on
the towel. And it fell in the tub and he is whipped and goes to
bed. And should I say "tinkle." I should have said "accident."
They hear us (children in next room were standing near door, but
were not aware of us in room). They're saying it. The dog got
is whipped, and he got 900 and that's the end of the story.

Protocol 4

Story 1.--- Those little chickens were looking at the turkey.
They lived it. After they ate it was so late that they couldn't
even see the mother chicken. After they heard the mother chick-
en - They were ready to eat so the mother came in and gave the
chickens some food. They felt fine 'cause they were hungry and
the mother gave them food.

Story 2.--- Bears - two bears were fighting for the rope and
the little bear was trying to get the rope and after the big bear
bear got most of the rope, so he was trying more. The little
bear wanted to get the rope for the middle bear (mamma). The
little bear like the middle bear. The paper bear wins.

Story 3.--- A tiger was crying and once the tiger was smok-
ing a pipe. He was afraid after he hears somebody come in and
he was frightened he wanted to hide but he couldn't 'cause he

didn't know when to hide. He was crying 'cause he didn't like to smoke pipes.

Story 4.-- Mother kangaroo going to the city and the little one followed her and baby was in mother's pocket. Mother had milk and sandwiches and butter. The baby had a balloon in her hand. When they got to the city the mother bought the baby another balloon 'cause the mother liked the baby and the bigger one. The bigger one got two balloons and the little one only had one balloon.

Story 5.-- Once it was dark out and the two little bears went to sleep in a crib. Mother and papa were still up. The twins were waiting for them. But the mother and papa didn't come up until the little bears were asleep. Father and mother bear went to sleep in the morning. The kids woke up and got dressed and had breakfast. Then father and mother got up and called them from out doors to have breakfast and they said they already had breakfast. They went outside and the next door neighbor came to play with them and they went in the cellar to play.

Story 6.-- Bears. Once the little tiny bear and papa were sleeping. Baby wasn't really sleeping and went for a walk. The papa woke up and couldn't find the bear so he went for a walk too. When he got back the bear was already there. That was Tuesday. The bear felt fine 'cause the papa let him go for the walk.

Story 7.-- Tigers and what else now! Once a tiger was trying to get a monkey. The monkey was trying to climb a tree but the lion got him and threw him in water. He screamed and the police came and got the lion and saved the monkey and gave him a banana.

Story 8.-- Monkeys again! Once a mother bear was talking to the papa bear. The Grandma was talking to the little monkey. When it got dark grandma was gone. Mother put the little monkey to bed. In the morning the little monkey was lost and the papa called the police up and they found the little monkey.

Story 9.-- A rabbit. Once a little rabbit was sitting in his crib 'cause he didn't like to go to bed so early. The mother came in and saw her sitting up and said "Why don't you go to sleep?" The little rabbit said "I'm not tired." So mother said "You can get up for a little while and see television." Saturday was his birthday and he was so happy to see all the presents he had for his birthday. He's five years old. My brother's five years old. I'm six.

Story 10.-- Dogs. Once a dog was going to the bathroom. The mother or the father was getting the dog out of the bathroom

'cause he really didn't have to. Last night he watched television after the comedy hour and the next morning he went to school. He didn't like school 'cause sometimes some people pulled him down and after he came home he screamed and the mother or papa came down and put him to bed.

Protocol 5

Story 1.-- They're eating. They're eating with the spoons. They're eating out of the bowl. They're sitting down. They feel good. The table might fall down. The bowls would break. They would feel bad. They are all six years old.

Story 2.-- The bears are pulling the rope. The baby one's walking. They might fall down. They're hurt theirself. This one is the mother and this one (with baby) is the father. They felt good. The father wins. Then maybe they'll try it again and that's all.

Story 3.-- Tiger sits in the chair. He's smoking a pipe. He's got a cane with him. There's a mouse hole. Maybe he's going to find mother tiger. Maybe she ran away. He goes and starts finding the baby and the mouse goes along with him. And then he finds the mother. He feels happy. The mouse is happy too. I can't think of nothing else.

Story 4.-- Kangaroo's riding a bicycle and mother's walking. And she's got a baby in her hand and there's milk in it and there's trees in the picture. And she's got a little reindeer with her and she's (mother) holding a balloon and the mother's wearing a hat and they're going to grandma's house. They feel good. They think they want to get to the grandmother's house 'cause something might happen. A big bear might break in the house. So they're going fast. The little reindeer's looking out. The mother got a pocketbook and holding her hat on her head.

Story 5.-- There's two beds. There's a light there. There's two kittens sleeping there and the mother and father's in the kitchen. And they're making breakfast and then the two kittens wake up and mother calls them. So they go and eat breakfast and then they go to school and then they play in the school yard and then father goes and eats his breakfast and goes to work. The father comes home and the kids come home from school and then they all go to bed. And that's all. They went to bed and fall asleep.

Story 6.-- The mouse is sleeping. He's sleeping in a cave. And the mother mouse is sleeping with him. They wake up and go out and the mother plays with the baby, then they got back to the

house and eat and then the father comes home and then he goes to bed too. Then they are in bed for the night. They all feel good. I can't think of nothing.

Story 7.-- The tiger's after the monkey. The monkey's up the tree and the tiger got the monkey and killed the monkey and the tiger brought him to his cave and then the tiger went and then the mother tiger went, then the baby tiger went. They all went to grandma's house. And the baby tiger went back home and got the monkey and brought him to grandma's house and all the tigers fell asleep at grandma's house. Then mother tiger wakes them up and feeds them. They all feel good and that's all.

Story 8.-- The mother monkey is talking to the father monkey and there's the big boy talking to the baby monkey. The mother monkey is telling the father monkey to clean up the yard and the father is saying, "No." The baby monkey says to the big brother "You have to go to bed", and he said, "No." Now they're playing a game. Then everyone falls down and everybody goes to bed. Mother cooks supper and they sit down to eat. Then after they eat they go to bed again. They feel good after they woke up. I can't think of nothing.

Story 9.-- The rabbit sleeping. The door's open. Mother's sleeping. Then baby pulled a trick on the mother. Then he slammed the door shut and goes into bed and falls asleep. And the mother plays a trick on him. The mother opens the window and he gets a cold, and then he goes and pulls a trick on the mother again. He slams her door and then the father comes home and pulls a trick on them both.

Story 10.-- They're gonna take a bath and then to to the toilet and then they go to the kitchen and eat. This is the mother and the baby. That's all.

Protocol 6

Story 1.-- They're eating. They are three little bears. They like to eat. They are not bears but chicks and the mother hen. They are hungry. There is no food in their bowls. The mother hasn't gave it to them. She's not ready. They're having fun.

Story 2.-- These are the three bears. The mother is against the father and baby. They are trying to get the rope away from her. The baby bear wins with the father. That's all I know. The father sticks his tongue out. They're glad when they won. The mother is angry. They go home.

Story 3.-- The lion is a king. I wouldn't like to have him in my house. He has a pipe. I see something funny - a mouse

peeking out of a hole. He'll cover it up. My father is a hair-dresser. He made upstairs himself. He didn't have much money but he bought us bunk beds. But the cupboards are small. You can't fit much in them. There's his cane. His chin is on his hand. He folded his legs. There's his tail. Here are spots on the chair.

Story 4.-- There is a baby kangaroo and a balloon. The mother has a pocketbook. She holds her hat. They go home with foot. They were at a store. That's a cat on the bike. They don't know the cat is with them. They'll throw his out of the house. He'll bump his head and cry. He's going home. His mother will tell something to the kangaroos. I don't know what she'll tell them. I've never been thrown out of the house before. There are some trees. There is a boy cat and a girl baby. He has white spots in his eyes. There are flowers on her hat and her ears stick out. There are bows and ribbons flying.

Story 5.-- The baby cat is sleeping in the crib. Her feet are on the pillow and head on the bed. Maybe he's moving around. There's a lamp, bed with a mother and father in it. They're asleep. There's some curtains and a rug and a little table. They sleep till morning then they go to breakfast. Maybe They're taking a nap 'cause they're tired. When they wake up they'll have dinner or maybe they've had dinner. I think they had dinner. Father will rake the leaves, mother will hand out the clothes and the baby will play in the yard.

Story 6.-- The bears are asleep in the hole. There's some leaves. Mother, father and baby girl. Baby is awake. He stays awake. He has circles under his eyes. Mother send him back to bed. Mother spans him when she wakes. He cries. Father sleeps. He wakes father up. Father gets up and baby makes believe he's asleep. Father thinks mother done it. Mother says little baby did it. Father wakes up baby. Father says "Did you tap me on the shoulder?" Baby says yes. Father spans. He's always getting in mischief.

Story 7.-- There is a tiger chasing the monkey to eat him up. That is a good dinner for a tiger. Its a jungle I think. There's a big rock. He catches him because the monkey falls. The tiger looks for other monkeys. He growls and growls till he goes walking again and finds other monkeys. He eats them. He finds another but he is smart and climbs a tree fast. The tiger says, "He really fooled me." He growls and all the birds fly away. There's some stones. The birds made him more mad. He didn't have any supper. The other tigers were nice and quiet. They jump around him. He can't get out. They bite him and he's dead and they eat him for supper. There's some leaves. There's a pine tree and a tree. He has big, big teeth. Oh - I wouldn't like to go to a jungle - I can't run fast. They'd

eat me all up.

Story 8.-- That is funny. Look what's in the picture - a monkey with glasses and a hat. The mother has earrings on. Baby has no hair. Grandfather is sitting with father. He whispers to the father - "Look at your wife talk to the baby." The mother says "Honey don't dare go out of the yard." But he's bad - he does. He gets a lot of spankings. He crys and has to go to bed and can't go out to play. The couch has flowers on it. The mother only has one tooth. My mother's having all but five teeth out. The doctor won't take them out 'cause he says there's nothing wrong with them. That's the grandmother's picture. Her ears are sticking out. (much laughter). The mother closed her eyes. I don't know why.

Story 9.-- The little baby rabbit is in bed. He's sick. A lot of times I've been sick and had needles. I was in the hospital two times. The mother is in the kitchen. He'll eat in bed. I like that. When I had pneumonia I had needles. There's a curtain and a mirror and a lamp. There's a door with knobs. Here are rugs. There's squares on the door. That's a piggy bank I think.

Story 10.-- The mother dog is spanking the baby and he's crying. He was in the tub and let the water go and it ran over the tub. He got a spanking. Mother is on a stool. His tongue is out. There are towels, a toilet, a tub and a curtain. That is all.

Protocol 7

Story 1.-- Birds are eating the worms, That's what I think. Big rooster is there. That's all.

Story 2.-- Two bears. Three bears are pulling a long rope, but there's only supposed to be two bears, but the little one is pulling in the back. This one is going to win because he is the biggest. They're really having a tug-of-war.

Story 3.-- Big lion is sitting in a chair. There is a cane against the chair. The little mouse might get hurt by him. He's got a pipe, but he isn't supposed to be smoking.

Story 4.-- Kangaroo is riding a bike. The little kangaroo can't stand up, so he's riding in there. The big one isn't supposed to be wearing a hat, that's funny. The kangaroo might go into the trees with that kangaroo. They might be going to the zoo.

Story 5--- Is that a dog or a kitten? We'll call it a dog. He's sleeping in a crib. That's mother's bed. No one is home. He really isn't a real dog. You don't think that he is, no. He's a toy dog who jumped into the crib.

Story 6--- That bear and that bear is sleeping in a great big log. I wonder how they got in there. It's only supposed to be a small hole. There's grass in the log. The leaves are supposed to be on the trees, but they're on the ground.

Story 7--- Tiger is near a monkey. Monkey, is that a monkey or not? We'll call it a monkey. Monkey should be up higher. Monkeys go up higher in trees. Leaves are red ivy and some are green. Part of the log is white, but it isn't supposed to be white. Lion is trying to get monkey. Monkey is afraid. I wouldn't be afraid if I were a monkey. I'd climb up into the tree.

Story 8--- That monkey is whispering to that monkey. That is the mother because she has a flower. Monkey is telling little monkey not to listen to them. The monkey is drinking coffee, but isn't supposed to be drinking coffee.

Story 9--- Rabbit is sleeping in there. How did he get into the crib because he's little. He jumps and hops. He's supposed to be sleeping, but he's just sitting up. He might break the mirror. I wonder how he opened the door. He can break the mirror. I wonder how he can hop out. He will hop out the window and get hurt.

Story 10--- That dog is giving that dog a licking. That dog has to go to the bathroom, but he won't. That's why papa is giving him a licking. They look alike. Like our house. The toilet cover should be closed, but it's open.

Protocol 8

Story 1--- The mother gave them some food to eat and they ate dinner. Soup. The mother made pudding. They ate it. They must have felt good 'cause they had so much dinner and they had a stomach ache and they liked to play.

Story 2--- (Laughing). Oh, bears! The little bear is pulling the rope to help the mother get the rope. The daddy bear couldn't get it. He's not strong as the mommy and the mommy pulled so hard that she got it.

Story 3--- The lion is sitting on the chair and he has a cane. The wife fixed dinner and she called him and he said, I'm hiding on you in the living room." She thought he was

Story 5.-- Is that a dog or a kitten? We'll call it a dog.
He's sleeping in a crib. That's mother's bed. No one is home.
He really isn't a real dog. You don't think that he is, no.
He's a toy dog who jumped into the crib.

Story 6.-- That bear and that bear is sleeping in a great
big log. I wonder how they got in there. It's only supposed to
be a small hole. There's a grass in the log. The leaves are
supposed to be on the trees, but they're on the ground.

Story 7.-- Tiger is near a monkey. Monkey is that a
monkey or not? We'll call it a monkey. Monkey should be up
higher. Monkeys go up higher in trees. Leaves are red ivy
and some are green. Part of the log is white, but it isn't
supposed to be white. Lion is trying to get monkey. Monkey
is afraid. I wouldn't be afraid if I were a monkey. I'd climb
up into the tree.

Story 8.-- That monkey is whispering to that monkey. That
is the mother because she has a flower. Monkey is talking
little monkey not to listen to them. The monkey is drinking
coffee, but isn't supposed to be drinking coffee.

Story 9.-- Rabbit is sleeping in there. How did he get
into the crib because he's a little. He jumps and hops. He's
supposed to be sleeping, but he's just sitting up. He might
break the mirror. I wonder how he opened the door. He can
break the mirror. I wonder how he can hop out. He will hop
out the window and get hurt.

Story 10.-- That dog is giving that dog a licking. That
dog has to go to the bathroom, but he won't. That's why pigs
is giving him a licking. They look alike. Like our house.
The toilet cover should be closed, but it's open.

Protocol 8

Story 1.-- The mother gave them some food to eat and they
ate dinner. Soup. The mother made pudding. They ate it. They
must have felt good 'cause they had so much dinner and they had
a stomach ache and they liked to play.

Story 2.-- (Laughing). Oh, bears! The little bear is
pulling the rope to help the mother get the rope. The daddy
bear couldn't get it. He's not strong as the mommy and the
mommy pulled so hard that she got it.

Story 3.-- The lion is sitting on the chair and he has a
cane. The wife fixed dinner and she called him and he said,
"I'm hiding on you in the living room." She thought he was

making up stories so she came to look for him and there he was sitting in his chair. He ate dinner and the wife told him if he did that again she'd throw him out the door (giggled) and she would marry another husband.

Story 4.-- The mother bear she brought some food. There were robbers in the forest and they didn't know it. They met a friendly little man and he had more food than they and he took them home and then he went home. The mother is thirteen years, old, the baby is four, and the little little baby is one month old. When they got home they were happy they ate some food. The mother took the baby and the four year old stayed at home in case someone came to rob the house they wouldn't get in. The mother took the baby to the auntie and the grandmother was at the aunt's house. The baby cried 'cause he was afraid he couldn't remember the grandmother. Then he remembered her 'cause he remembered her name and he jumped allover her and she fell down. The mommy hid the little baby girl. The husband was at work. He sells vacuums, like my father.

Story 5.-- The little bear is sleeping and the mother and daddy are. It was a cold night. They had a puppy who would do anything they asked. When they woke up they told him to get some food and he did and then he went in the forest to see if there are any robbers. He saw an indian and he took his arrows and bow and went home. The mother and daddy were happy to have the bow and arrow. So the next day he went again and saw another indian and took his bow and arrow and gave them to the mother 'cause the daddy already had one. Then the mother and daddy went into the forest and saw an indian without a bow and arrow and thought it was the same one that the puppy saw.

Story 6.-- The bears are asleep in the woods. The mother woke up the daddy. He saw the little bear. The little bear wasn't sleeping in the right bed. He was sleeping in the daddy's bed. The little bear got up and the daddy went to the forest to get food and the mother and baby stayed home.

Story 7.-- Tiger! This is a good one! The tiger saw a monkey and tried to eat him but the monkey went up in a tree and the tiger went up in the tree and he ate him. Then a lion came to see if the tiger caught anyone. The tiger said yes. So the lion and tiger went home and ate the monkey. They were both so happy. Every day they went to the forest for food. The men built stores and houses and then they went to the store for their food.

Story 8.-- Uh-oh- The mother is telling a sceret to the daddy and he's not to tell anyone but the baby 'cause the baby is nicer than the big one so the mother, so the mother said that the biggest daddy, who is bigger than the other daddy, is

making up stories so she came to look for him and there he was sitting in his chair. He ate dinner and the wife told him if he did that again she'd throw him out the door (sighed) and she would marry another husband.

Story 4. -- The mother bear she brought some food. There were robbers in the forest and they didn't know it. They met a friendly little man and he had more food than they and he took them home and then he went home. The mother is thirteen years old, the baby is four, and the little little baby is one month old. When they got home they were happy they ate some food. The mother took the baby and the four year old stayed at home in case someone came to rob the house they wouldn't get in. The mother took the baby to the auntie and the grandmother was at the aunt's house. The baby cried 'cause he was afraid he couldn't remember the grandmother. Then he remembered her 'cause he remembered her name and he jumped all over her and she fell down. The monkey hid the little baby girl. The husband was at work. He sells vacuum, like my father.

Story 5. -- The little bear is sleeping and the mother and daddy are. It was a cold night. They had a puppy who would do anything they asked. When they woke up they told him to get some food and he did and then he went in the forest to see if there are any robbers. He saw an Indian and he took his arrows and bow and went home. The mother and daddy were happy to have the bow and arrow. So the next day he went again and saw another Indian and took his bow and arrow and gave them to the mother 'cause the daddy already had one. Then the mother and daddy went into the forest and saw an Indian without a bow and arrow and thought it was the same one that the puppy saw.

Story 6. -- The bears are asleep in the woods. The mother woke up the daddy. He saw the little bear. The little bear wasn't sleeping in the right bed. He was sleeping in the daddy's bed. The little bear got up and the daddy went to the forest to get food and the mother and baby stayed home.

Story 7. -- Tiger! This is a good one! The tiger saw a monkey and tried to eat him but the monkey went up in a tree and the tiger went up in the tree and he ate him. Then a lion came to see if the tiger caught anyone. The tiger said yes. So the lion and tiger went home and ate the monkey. They were both so happy. Every day they went to the forest for food. The men built stores and houses and then they went to the store for their food.

Story 8. -- Uh-oh- The mother is telling a secret to the daddy and he's not to tell anyone but the baby 'cause the baby is nicer than the big one so the mother, so the mother said that the biggest daddy, who is bigger than the other daddy, is

an old squirrel and they don't like him. So then the daddy tells the baby and they threw the biggest daddy out and put him in a bucket of water and lit a fire under it. Then they ate him and then they went to the store and got some food and the little baby grew up to be a big man and married a wife who was nice to him. They were all so, so happy.

Story 9.--- The little bunny is sleeping - he was a little bunny rabbit. They have the door open so he can see out. When the little bunny heard a noise he woke up the mother and daddy and they went out and killed the mean monkey who made the noise to scare everybody. They all went to the store and the little bear grew up and met a nice girl and they got married and went to a nice house.

Story 10.--- The little puppy is getting a bath. The mother was nice and they never had bad things in their forest. They had all little puppy things and the daddy died a long time ago before the baby was born and the little puppy liked his bath and when the mother gave him a bath he would laugh.

Protocol 9.

Story 1.--- The rooster mother had made it. Food. The rooster is mad. The birds are eating what the rooster mother made. They are happy that they got something to eat. She'll chase them away. She'll dish the food out for her children.

Story 2.--- I think the father wants to get the rope from the baby and the mother. He wants to do something with it. The baby wants a little piece. The mother looks dead tired from pulling on the rope. The father and the baby will get it.

Story 3.--- A grandfather lion is sitting in the chair. The mouse is peeking. The lion doesn't see the mouse. That's all I can think of.

Story 4.--- The mother kangaroo has gone to the store. She bought the baby a balloon and the boy a bicycle. They're going home. It looks as if the mother is ready to fall. She's up in the air. The baby could fall too because he's not looking where he's going.

Story 5.--- The baby is ready to go to sleep. The teddy bear is getting lonesome. He wants someone to come to bed with him. The mother and father are in bed, too. The baby will go sleep and hug the teddy bear.

Story 6.--- It's in a bears' cave. It's night time. The father and mother are sleeping. The baby bear isn't. He's

(the baby) is resting and he isn't trying to go to sleep. He doesn't know if his mother and father are asleep or not.

Story 7.-- A tiger is going after a monkey. The monkey doesn't want to get killed. His (the tiger's) wife and his child are not around. It's perfectly good for him to kill the monkey. The tiger got the monkey and bite him. Blood came out of him and the monkey died.

Story 8.-- It looks as if a mother is telling the baby not to do something. The mother who came to the party is whispering about how naughty the monkey is and how much trouble he is to his mother. The little monkey was acting silly, jumping on the furniture.

Story 9.-- It looks as if a little girl is going to bed. Nobody is home. It's night. She's alone in her bedroom. She's sitting up looking out the door. She wants her mother and father. They'll be coming soon. She'll feel better when they come.

Story 10.-- It looks as if the father is going to spank the little one. He was running after cats so his father is going to spank him. The little one is yelling. The mother can't hear. If she heard him she stop the father and ask what the little one did.

Protocol 10

Story 1.-- Chickens having a thanksgiving party. They are at table and the rooster is coming in.

Story 2.-- Three bears trying a game of tug of war. Looks like daddy bear is going to win. Feel pretty good that daddy bear is going to win.

Story 3.-- Lion sitting in chair by the sea smoking a pipe. Got a cane leaning against his chair. He is a happy bear.

Story 4.-- Kangaroo going for a walk with baby. One's in mother and one's a little girl riding a bike. Mother has a basket and pocketbook over her shoulder and she got a baby in her pocket holding a balloon-going to the store-happy going buy some food and then go home.

Story 5.-- Looks like nothing in the bed. Two little bears in the crib, going to sleep - big windows behind them. Little bear's sad about going to sleep. Feel sad because they don't like to go to sleep.

Story 6.--- Three bears' in a cave. Daddy and mummy and little baby. Mummy and daddy bears lay close to each other and the baby is a couple of inches away. Laying in a cave made out of rocks - all feel happy.

Story 7.--- Tiger and he is trying to kill a monkey and monkey lets go of the branch with two hands, because the tiger scared him as he jumped out from behind a tree and tiger trying to kill the monkey. Tiger kills monkey. Tiger feels sad because he killed monkey. He felt as if he shouldn't have killed him.

Story 8.--- Four Gorillas. Mother and daddy sitting on couch and got a great big boy sitting on a hassock and talking to a little boy Gorilla and picture of the grandma hanging on the wall. The big boy gorilla is teasing little boy, calling him names and everything. Little boy feels sad and he goes into the other room.

Story 9.--- Home, rabbitt sleeping in a crib another bed where his mother and father is and its got a mirror and lamp besides it and a window and they live in a great big house. The little rabbit is happy and sleepy.

Story 10.--- Stool, dogs - one mother and one is a little girl dog and got a towel hanging up and toilet. Mother sitting on a stool and spanking little boy because he was naughty. (When asked what little boy done-shrugged and said 'I don't know'.)

Protocol 11

Story 1.--- They're eating their breakfast. One of them didn't put a bib on. There's a rooster behind them.

Story 2.--- Father bear is trying to pull mother bear. Baby bear is helping mother. Mother might fall. Baby is trying to run. (Q. How does baby feel?) Horrid--he doesn't like them to haul him. (Q. How does the mother feel?) She's happy to pull father--baby is too. Father will fall down.

Story 3.--- The father lion is smoking a pipe. He doesn't know the mouse is looking at him. He has a cane. He looks mad. (Q. Why is he mad?) Because he wants to have something to eat. He's going to see the mouse.

Story 4.--- The mother kangaroo is carrying a basket. Baby is looking out. The other is riding a bike. Mother is carrying a pocketbook and basket. The little baby is carrying a balloon. The baby is going to jump out.

Story 5--- Two baby bears are sleeping in the crib. Their mother and father are hiding under the covers. It looks like one of them is awake and so is the other one. (Q. Why are they hiding?) They don't want baby bears to think they're awake. I don't know why.

Story 6--- One baby bear is awake. The other two are sleeping. The baby doesn't know where the other two are. They're hiding in back of the rock. The bear that's hiding is going to run away.

Story 7--- The lion is trying to catch the gorilla. The gorilla is trying to get up in the tree. The lion is hungry. The gorilla is trying to get up higher.

Story 8--- The mother bear's telling the father bear a secret. The other bear is telling the baby something. That's a picture of the mother bear only this one doesn't have glasses. One is sitting on a hassock---the other's on a couch. Those on the couch are drinking coffee. Mother one has flowers in her hair.

Story 9--- Bunny woke up. He doesn't know where his mother and father are. The door is kind-a open. He doesn't know what's going to happen. The father and mother have gone out the door.

Story 10--- It looks like the baby dog's sitting on the father's lap. The baby bear wants to go to the toilet. Father won't let him. (Why?) Because he was a naughty dog.

Protocol 12

Story 1--- They're going to eat their breakfast, I think. They're going to go out and play after they eat. They might come in for their dinner. After they have their supper, they might watch TV and go to bed.

Story 2--- They're having a tug war, I would say. The little one and the father are trying to pull the rope away from the other bear. Which two gets them will win. The person-the bears who gets it---will win the rope.

Story 3--- This is a father lion. I think he might be going out in a few minutes. He might come to another lion and have a fight. He might come back here and have his mother help him. He might have another fight. Whatever one gets hurt the fight will stop and they'll both go home.

Story 4--- The mother kangaroo is taking the baby out for a ride. Her new little baby has just been born and she's coming

back from the store. The two little ones---they're going to eat their supper and go to bed.

Story 5.--- The little baby bear is asleep with his brother. They're trying to go to sleep. They might have a fight and wake up each other.

Story 6.--- The three bears are sleeping. The little one's awake. He sees something and goes after it. He's going to wake his mother up and go after it. He might start a fight with the big bear.

Story 7.--- A lion is going after the monkey for it's dinner. He's going to bring it back to his cave and eat it if he ever gets it. He might split it with all of his family. They might eat it.

Story 8.--- They're talking about something---the mother and father. Big and little brother are talking too. I don't know what they're talking about. They might be talking about the children and they might be talking about the mother and father. The little ones might have a fight with the two big ones for talking about each other.

Story 9.--- The bunny is just about to get out of bed in the morning. The door is open to get out. He's going to eat his breakfast and come back and get dressed and go out to play with other bunny friends.

Story 10.--- The mother dog is getting after the baby dog for fighting with one of his little friends. She's going to hit the baby dog. He's going to bark.

Protocol 13

Story 1.--- There's a turkey over there, and they are eating ---all eating at the table. They have a big, big bowl. They have something in the bowl and there's flowers all around it. The little ones are chickens. One has a spoon in his hand and one doesn't. And they have napkins around. And the turnkey is looking at 'em and they wonder who's making noise and sometimes they fly around. They have a big--ah--cloth around it right there and there's a black strip on it. They're gonna start to eat. They fly around all the time and they love to.

Story 2.--- The three bears are pulling the rope and they're on a rock. They're pulling so hard, they're gonna fall off. The little bear is back of the big bear and there's a knot on both of the ends and they're trying to get away from it. And they are getting scared because they are going to fall off and

there's water down there. The little one is smiling and the little one's having some fun and the big ones are having fun too. And the one with the baby is almost slipping off and they're having fun and would like to play---do that some more, and they see everything that they like to see. The one bear is the oldest and the biggest. The other bear with the baby bear is the tallest.

Story 3.-- A tiger is standing on the chair and the cane's next to him. In fact, there's a big board and he's so tight in it that he doesn't like to smoke anymore and he looks like he likes to drop the pipe. Sometimes he asks for the pipe and sometimes he doesn't. And there's a mouse looking at him and the board has a little hole and the mouse is in it and there's a rug on the floor and he's putting his paws on it and his tail's going down. The tiger doesn't feel very good 'cause he has a cold and has a bad throat. The mouse feels fine and he loves to peek in the hole, so much that he does it some more. And the tiger's sticking out his mouth. The mouse is eight and the tiger is nine and that's all.

Story 4.-- The kangaroo is on the bike and holding to the other kangaroo with his tail and he's got a hat on and a basket. And the other kangaroo is holding a balloon. And they're going on a picnic. And the little one's riding on the bike and holding on to his tail. And they see some trees and flowers and grass and mountains. And they have some fun and they eat so much they don't feel good. And don't want to eat no more and they had apples and milk and pie. The little one on the bike is eight and the big one is four and that's all. The one on the bike is the tallest kangaroo.

Story 5.-- There's a lamp on the stool and there's a bed next to it and there's a crib and kids sleeping, and the big bed has nothing. And there are curtains in the window and they like to sleep in the crib so much that they like all the days and they like to sleep at night too. And there's a nice floor they got and the crib's on top of it and nobody's sleeping in the big bed. And there are two stools next to the big bed. And the curtains are behind the crib and they have so much and there's bushes outside and dark outside. And the little kids like to sleep in the crib so much that they like to play. And they said "Let's go to sleep," and it's dark and they were afraid and they dreamed so much that they woke up in the morning and they thought it was a dream and it was, and that's all.

Story 6.-- There's bears a'sleeping in a big, big tunnel and they may get runned over. And the little one is smelling the leaves on the ground and the bears are the mother (in back) and father and the medium sized. And they don't have enough to eat and sometimes they have fun and sometimes they don't.

And they're moving pretty soon. And they've found a house. The medium sized thinks he has so much fun and the other bears think he doesn't have fun. And they're going to find a house and the medium sized bear is going to stay in the tunnel and he wants to get runned over and he doesn't want to live. He wants to get runned over and the other bears don't. They want to move. They move. And the middle sized bear stays and he always gets runned over and he has to go to another house and the other bears don't know where he is and that's all.

Story 7.-- The monkey is afraid of a tiger and they're in a terrible place and the leaves are green. And they don't like to play that, and they want to go out and the monkey is terribly afraid that he's going to go some place and he wants to, and the tiger is growling and he has his paws out. They want to eat the leaves and they have a fight so much they can't eat them. And he (tiger) keeps growling and he wants to eat him, and the monkey wants to eat him, and his (tiger's) eyes are as black as the monkey is. It turns out to be fine and they have a lot of fun and they don't want to do it anymore and they live happily ever after. They were eating the leaves out of the fight, and they have so much fun and good luck.

Story 8.-- There's a picture of a monkey and other monkeys. And they went to a dance, and the two are whisperers. And the others are not. And two has a cup of coffee and they are sitting on a couch. And the other one has earrings and the other has nothing. And there's a door and flowers on the couch. They are talking so much and they want to catch the big one and eat him. And they went out to the forest and whispered some more. The big one is the father of them, but he doesn't like them. The little one is a baby, and the other ones are the sisters--whisperers. The big one is saying "Go catch 'em" and the little one can't, because he's small and he's too lazy, and that's all.

Story 9.-- Now the bunny rabbit is in the crib and there's a door next to him and he's looking out and he's wondering who opened it. The mother did, and she isn't there--she's hiding. And there's curtains and no light--only dark. And he has big ears, and he can't come out of his bed 'cause he's sick--has a sore throat. The rabbit get's better and he knows who opened the door. That's all.

Story 10.-- The other one's getting washed and the big dog is trying to get the little one to go in the bathroom. But he can't make him go, and the little one has to get wiped off. He's dirty and he needs a bath and he's getting a spanking because the little one didn't do it right and he didn't wash up and he didn't go to the bathroom, and he went in the closet. The big one thinks it's all right to let him out of the bathroom. The big one is the mother and that's all.

Protocol 14

Story 1.-- Mother chicken is feeding her babies. One of her babies forgot to put his napkin on. The other ones obeyed the mother and did what she told them to. This one was called the Ugly Duckling. The Ugly Duckling one day went out away from his parents. So father came home and said "Where is the Ugly Duckling?" and baby said, "He went out into the fields and he said he would never come back." The two little ones, two and three years old, ate their breakfast and this Ugly Duckling left all his breakfast and other ones, they didn't forget to put their napkins on, but the Ugly Duckling didn't put his napkin on. He didn't like his parents 'cause he couldn't get all the things he wanted. He didn't want to put his napkin on 'cause he didn't like them. One day he came home and knew he would be a good boy.

Story 2.-- The three bears were pulling a rope. The mother and father won the tug, so the baby wandered into the woods and met a cow. He found a pail and milked the cow. He had his bottle and drank the milk from the bottle and he found some honey. And he went back and showed the mother the honey. They kissed him and gave the medal to him, 'cause he brought some nice food home, and they made some good pancakes.

Story 3.-- One day the king of the palace was coming and he wandered to the woods and met a mouse. So he said, "Little mouse, I am going to eat you up." And they said, "King, don't eat me up. I will help you some day." One day some men caught the king in a trap. The mouse nibbled on the rope and the king was rich and gave the mouse the medal too.

Story 4.-- That's cute. One day Jr. Mouse and his sister and mother were wandering in the woods. Mother went to the store. Mother bought sister mouse a bike. He liked that so much. So mother went and did her shopping and bought Jr. a balloon. One day she went home and father was there and mother made good pancakes and Jr. liked them so much. He went to bed and couldn't go asleep. And one morning he woke up and went into mother's room and layed down with mother. Mother woke and thought there was a lion in the house. And she took a big hop out of the window. And baby looked and said "Mother, mother, come back!!! She had thought Jr. was the lion.

Story 5.-- One day the little two bears were sleeping in bed at night. So mother bear had jumped up and put the lights on and made breakfast. Mmmmmmm. The two little bears liked it so much. "You're a good cook. You should go to the frog farm and bake some frogs."

Protocol 14

Story 1. -- Mother chicken is feeding her babies. One of her babies forgot to put his napkin on. The other ones obeyed the mother and did what she told them to. This one was called the Ugly Duckling. The Ugly Duckling one day went out away from his parents. So father came home and said "Where is the Ugly Duckling?" and baby said, "He went out into the fields and he said he would never come back." The two little ones, two and three years old, ate their breakfast and this Ugly Duckling left all his breakfast and other ones, they didn't forget to put their napkins on, but the Ugly Duckling didn't put his napkin on. He didn't like his parents' house he couldn't get all the things he wanted. He didn't want to put his napkin on 'cause he didn't like them. One day he came home and knew he would be a good boy.

Story 2. -- The three bears were pulling a rope. The mother and father won the tug, so the baby wandered into the woods and met a cow. He found a calf and milked the cow. He had his bottle and drank the milk from the bottle and he found some honey. And he went back and showed the mother the honey. They kissed him and gave the medal to him, 'cause he brought some nice food home, and they made some good pancakes.

Story 3. -- One day the king of the palace was coming and he wandered to the woods and met a mouse. So he said, "Little mouse, I am going to eat you up." And they said, "King, don't eat me up. I will help you some day." One day some men caught the king in a trap. The mouse nibbled on the rope and the king was rich and gave the mouse the medal too.

Story 4. -- That's cute. One day Mr. Mouse and his sister and mother were wandering in the woods. Mother went to the store. Mother bought sister mouse a piece. He liked that so much. So mother went and did her shopping and bought Mr. a balloon. One day she went home and father was there and mother made good pancakes and Mr. liked them so much. He went to bed and couldn't go asleep. And one morning he woke up and went into mother's room and layed down with mother. Mother woke and thought there was a lion in the house. And she took a big hop out of the window. And baby looked and said "Mother, mother, come back!!!" She had thought Mr. was the lion.

Story 5. -- One day the little two bears were sleeping in bed at night. So mother bear had jumped up and put the lights on and made breakfast. Mmmmm. The two little bears liked it so much. "You're a good cook. You should go to the frog farm and bake some frogs."

Story 6.-- One day little baby bear was awake. Mother and father woke up and went into the fields. They were eating leaves when around from the rock came a grey feet dangerous wolf. He was heading to the hole where baby and mother and father were. Baby said, "Run, run." They went out the other side and put some rocks. The wolf got to the rocks and mother said, "Is it all right?" And he stuck his head out and down fell the rocks and killed the grey footed wolf.

Story 7.-- Is he gonna eat the monkey? One day a big ferocious lion was jumping from rock to rock past tree to tree. So he met a monkey and was going to eat the monkey up. The monkey climbed, but the tiger pushed the tree so he jumped to another tree so that the lion could not get him.

Story 8.-- One day Jr. and mother was having a party. And they invited their friends over. Jr. wanted Grandma and mother wanted Auntie Ann, so, I have an Auntie Ann, she came over and the party. They took pictures of Auntie Ann. They were lovely pictures, and marvelous too. The picture was framed and packaged and sent to the house. And it was hanged up by Jr. who wanted to surprise mother 'cause it was her birthday.

Story 9.-- One day little baby rabbit was in her bed and she was sleeping--wondering about Christmas. It was Christmas night. She heard jingle bells and prancing. He said, "I better go to sleep 'cause Sants is coming." Santa came and filled the stocking with lots of good things. Her Christmas tree was nice with his nice presents.

Story 10.-- Isn't this cute! One day baby dog was a'going to the bathroom. Father didn't want anyone in the bathroom 'cause he was on the toilet. So when father got out, he gave baby a spanking and put him to bed. Father was the madest one.

Protocol 15

Story 1.-- They're eating on Thanksgiving Day. Big turkey, three little birdies eating out of little bowls. They feel with their wings. Sitting at little benches. Two birdies have little things to keep them from getting dirty. A big bowl in the middle of table with flowers around it. The little bowls almost the same. The table cloth has something like ribbon around it and the table is made out of wood.

Story 2.-- Bear's playing. The baby bear is at the back of one of the big bears. The bears are pulling a rope. They're on a hill. The baby's eyes are different from the big bear's eyes. They have their mouths all different. They're pulling the rope with their hands. They have claws for their hands. They growl

117

Story 6.--- One day little baby bear was awake. Mother and father woke up and went into the kitchen. They were eating leaves when around from the rock came a grey foot dangerous wolf. He was heading to the hole where baby and mother and father were. Baby said, "Run, run." They went out the other side and out some rocks. The wolf got to the rocks and mother said, "Is it all right?" And he stuck his head out and down fall the rocks and killed the grey footed wolf.

Story 7.--- Is he gonna eat the monkey? One day a big ferocious lion was jumping from rock to rock past trees to trees. So he met a monkey and was going to eat the monkey up. The monkey climbed, but the tiger pushed the tree so he jumped to another tree so that the lion could not get him.

Story 8.--- One day Mr. and mother was having a party. And they invited their friends over. Mr. wanted Christmas and mother wanted Auntie Ann, so, I have an Auntie Ann, she came over and the party. They took pictures of Auntie Ann. They were lovely pictures, and marvelous too. The picture was framed and packed and sent to the house. And it was hanging up by Mr. who wanted to surprise mother 'cause it was her birthday.

Story 9.--- One day little baby rabbit was in her bed and she was sleeping--wondering about Christmas. It was Christmas night. She heard little bells and guessing. He said, "I better go to sleep 'cause Santa is coming." Santa came and filled the stocking with lots of good things. Her Christmas tree was nice with his nice presents.

Story 10.--- Isn't this cute? One day baby dog was going to the bathroom. Father didn't want anyone in the bathroom 'cause he was on the toilet. So when father got out, he gave baby a spanking and put him to bed. Father was the naughtiest one.

Protocol 15

Story 1.--- They're eating on Thanksgiving Day. Big turkey, three little birds eating out of little bowls. They feel with their wings. Sitting at little benches. Two birds have little things to keep them from getting dirty. A big bowl in the middle of table with flowers around it. The little bowls almost the same. The table cloth has something like ribbon around it and the table is made out of wood.

Story 2.--- Bear's playing. The baby bear is at the back of one of the big bears. The bears are pulling a rope. They're on a hill. The baby's eyes are different from the big bear's eyes. They have their mouths all different. They're pulling the rope with their hands. They have claws for their hands. They growl

and they are like the three bears when Goldylocks came. They are standing on a hill and pulling very hard on the rope. The little bear is almost falling off the hill. The hill is bumpy and they have fur.

Story 3.-- Little mouse by the chair. There's woodwork there and the mouse broke through. The big lion in the chair and he looks like a king because its like a lion's chair. Cane by him and they have big claws for his hands too and they have more fur than bears and they have a big bushy tail. Rub down by the chair and a hole under the chair.

Story 4.-- Little kangaroo riding a bike. Mother has baby kangaroo in her pocket. Holding pocketbook, has a hat on. Going to the store and then going home. It's winter. It looks like mother is going to bump into a big tree. There's a house in the distance. Baby has a balloon. The mother's eyes are big, and the one on the bike, has eyes almost as big and so is the baby. There is smoke coming from the chimney. The basket in which she is carrying the food is made out of straw and so is her hat with flowers on. Mother kangaroo is trying to sit on the bike. She is jumping up on to the bike and jumping out of the air and trying to sit on the part where the wheel is. They have fur, but they don't have much fur. The two little ones don't have as much as the mother. There is grass out in the winter it is usually under the snow. There is ground under the bike and kangaroos. They eat by claws or something.

Story 5.-- Some kitties in the bed where a baby is supposed to be in the crib. The legs are very short. The mother bed, it looks like someone is in it, but there isn't anyone in it. Rug down by the bed. One kitty is awake and one is sleeping. There is a table by the bed and another table other side with lamp on. Windows, lamp and table right by it. The darkness shining through it. There is fur on the kittens and there must be a mother kitten and a father kitten. Father kitten is bigger than the mother kitten. And the little kittens in the crib have a blanket over them and they are all curled up. In the rug are streaks. It is around one o'clock in the morning because there is a little bit of light shining in. The legs of the big bed are pointed. The kitten sees that no one is in the bed. Then the kitty who was awake tried to wake the other kitten. The other kitty trying to wake up but he was too sleepy. He was lazy and the one who woke up got so sleepy he fell asleep again.

Story 6.-- Are these bears or not? They look something like a bull don't they? Some bulls in a cave. They are sleeping. Two big bulls and one little one. It's very damp in the cave, but the bulls could stand it because they have enough fur to help them keep warm and the big bulls are asleep and the little bull is awake. Dirty leaves, dirty stones and dirty

and they are like the three bears when Goldilocks came. They are standing on a hill and pulling very hard on the rope. The little bear is almost falling off the hill. The hill is bumpy and they have fun.

Story 3.-- Little mouse by the chair. There's a woodwork there and the mouse broke through. The big lion in the chair and he looks like a king because it's like a lion's chair. Gene by him and they have big claws for his hands too and they have more fun than bears and they have a big bushy tail. Rub down by the chair and a hole under the chair.

Story 4.-- Little kangaroo riding a bike. Mother has baby kangaroo in her pocket. Holding pocketbook, has a hat on. Go- ing to the store and then going home. It's a winter. It looks like mother is going to jump into a big tree. There's a house in the distance. Baby has a balloon. The mother's eyes are big and the one on the bike, has eyes almost as big and so is the baby. There is smoke coming from the chimney. The basket in which she is carrying the food is made out of straw and so is her hat with flowers on. Mother kangaroo is trying to sit on the bike. She is jumping up on to the bike and jumping out of the air and trying to sit on the part where the wheel is. They have fun, but they don't have much fun. The two little ones don't have as much as the mother. There is grass out in the winter it is usually under the snow. There is ground under the bike and kangaroos. They eat by claws or something.

Story 5.-- Some kitties in the bed where a baby is supposed to be in the crib. The legs are very short. The mother bed, it looks like someone is in it, but there isn't anyone in it. The down by the bed. One kitty is awake and one is sleeping. There is a table by the bed and another table other side with lamp on. Windows, lamp and table right by it. The darkness shining through it. There is fun on the kittens and there must be a mother kitten and a father kitten. Father kitten is bigger than the mother kitten. And the little kittens in the crib have a blanket over them and they are all curled up. In the rug are asleep. It is around one o'clock in the morning because there is a little bit of light shining in. The legs of the big bed are pointed. The kitten sees that no one is in the bed. Then the kitty who was awake tried to wake the other kitten. The other kitty trying to wake up but he was too sleepy. He was lazy and the one who woke up got so sleepy he fell asleep again.

Story 6.-- Are these bears or not? They look something like a bull don't they? Some bulls in a cave. They are sleep- ing. Two big bulls and one little one. It's very damp in the cave, but the bulls could stand it because they have enough fur to help them keep warm and the big bulls are asleep and the little bull is awake. Dirty leaves, dirty stones and dirty

stocks. Some of the wood in the cave looks like it might be poison. The big bulls were thinking that the cave might be their home. The cave was made of dirt and kept falling on the bulls, but they did not waken. The bulls' noses were very pointed and they have claws. The little bull, his name was Carl because they are boys. Their names are bulls. When they are girls, their names are cows. In the cave it's very dark and the cow is trying to sleep. That is the little bull. Big stack of leaves under the dirt on the side of the cave. Not much light in the cave because the light can't shine into the cave very well. In the day there is a little bit of light. Cave made out of dirt, leaves, stones, sticks and logs of wood. They can't eat in the cave because the dirt would fall down and get in the food.

Story 7.-- Tiger in the jungle trying to go after the monkey. Tigers are in the lion family. They have claws just like lions and their tails are almost as bushy as lions. Monkeys' claws are not as sharp as lions and they can be killed easier than tigers. The lions have lines just like Zebras. Lions are a kind of a faded orange. Tiger couldn't catch the monkey because the tigers can't climb trees very well. The tree was shiney with funny leaves. There are all kinds of flowers, tiger-lilies and the tiger was escaping from this tree because it's a different kind of tree that tigers can climb.

Story 8.-- That's a funny one isn't it. There are four monkeys that look like gorillas because they are grown up. I have never seen monkeys drinking. The biggest monkey has earrings on like they do in the African jungle. A funny picture with square glasses. The other monkey has flowers in her hair. The father with earrings on is telling the littlest one in the family what to do. The mother in this family is very big. They are sitting and they have fur too, but it's a different kind of fur.

Story 9.-- The little bunny is sitting up in a chair that looks very like a bed. A big door is open so you can see the little one's bed. Mirror in her room where the mother sleeps, because the room is divided into two parts. Open space where the little one sleeps and other part for mother. The curtains are very crooked and there's a light on the table. He is thinking that he is dreaming because he fell asleep sitting in his bed. The only way to open the door is to break it down or by the doorknob and the door banged shut while he was sleeping. So he woke up and jumped up. The bunny got very scared. Little carpet under the bed. He jumped out of bed and tried to open the door, but he couldn't. When he seen the door was closed and he tried to get it open, but he couldn't and his

112

Some of the wood in the cave looks like it might be
poison. The big bulls were thinking that the cave might be
their home. The cave was made of dirt and kept falling on the
bulls, but they did not waken. The bulls' noses were very
pointed and they have claws. The little bull, his name was Carl
because they are boys. Their names are bulls. When they are
girls, their names are cows. In the cave it's very dark and the
cow is trying to sleep. That is the little bull. Big attack of
leaves under the dirt on the side of the cave. Not much light
in the cave because the light can't shine into the cave very
well. In the day there is a little bit of light. Cave made out
of dirt, leaves, stones, sticks and logs of wood. They can't
eat in the cave because the dirt would fall down and get in the
food.

Story 7. -- Tiger in the jungle trying to go after the
monkey. Tigers are in the lion family. They have claws just
like lions and their tails are almost as bushy as lions.
Monkeys' claws are not as sharp as lions and they can be killed
easier than tigers. The lions have lines just like zebras.
Lions are a kind of a faded orange. Tiger couldn't catch the
monkey because the tigers can't climb trees very well. The tree
was shiny with funny leaves. There are all kinds of flowers,
tiger-lilies and the tiger was escaping from this tree because
it's a different kind of tree that tigers can climb.

Story 8. -- That's funny one I can't fit. There are four
monkeys that look like gorillas because they are grown up. I
have never seen monkeys drinking. The biggest monkey has ear-
rings on like they do in the African jungle. A funny picture
with square glasses. The other monkey has flowers in her hair.
The father with earrings on is telling the littlest one in the
family what to do. The mother in this family is very big.
They are sitting and they have fun too, but it's a different
kind of fun.

Story 9. -- The little bunny is sitting up in a chair that
looks very like a bed. A big door is open so you can see the
little one's bed. Mirror in her room where the mother sleeps,
because the room is divided into two parts. Open space where
the little one sleeps and other part for mother. The curtains
are very crooked and there's a light on the table. He is
thinking that he is dreaming because he fell asleep sitting in
his bed. The only way to open the door is to break it down
or by the doorknob and the door banged shut while he was
sleeping. So he woke up and jumped up. The bunny got very
scared. Little carpet under the bed. He jumped out of bed and
tried to open the door, but he couldn't. When he seen the door
was closed and he tried to get it open, but he couldn't and his

mother and father were in the living room and couldn't hear it.

Story 10.-- I had a dog and he died. Two dogs going into the bathroom. The little dog has to have a bath and he doesn't want to. The little dog kept barking. He wanted to go out the door again so he wouldn't have to have a bath. He doesn't like to have a bath. The big dog is carrying the little dog in and they just got in the door of the bathroom. There's a towel, and a bathtub right by the towel which is hanging on the rack. The bathroom is very small. The dogs have very much fur and their ears are very long. They look like cocker spanials because they have long ears and short tails. There's a leg on the table. Their ears are another leg. They're happy 'cause they're having food. Then they fly away.

Story 2.-- They're having a game of tag of war. This is a bear--mother and another. They're on a mountain. If anybody wins, then they have another game. That's mother, father and baby. The father wins. They feel happy. There's a knot there and the baby bear is helping and the father bear is trying to win.

Story 3.-- Lion sitting in a chair. There's a mouse in his hole. There's a cane and the bear's trying to catch this mouse and he's smoking a pipe. If he catches him, he'll eat him up. The mouse feels poor and the lion feels happy. There is a rug there. Then he catches him and eats him. My small cousin caught three of them. He set a trap for them. I have a sister who goes over Union High. That's all.

Story 4.-- There's a basket and there's a apple (balloon). There's a small one of those and there's a hat, pocketbook and bike, and a monkey-kangaroo. There's trees. I know a friend got a tree. My cousin's got a tree and a record player and he's moving in another house and I'm going to see him and I'm going to play volley ball with my father and big kids and my small cousins. It was nice the last time we went over. They're going somewhere, around the trees. They all feel happy. There's a quart of milk there. They're going on a picnic and there's a steering wheel there and that's all.

Story 5.-- A carriage, bed, another bed, window, lamp and stained pillow, table, door, another pillow. When the people carry the baby up and put him in bed and the mother and father go to bed and there's curtains. Everybody feels happy in the picture. There's really nobody in the picture and that's all.

Story 6.-- There's a bear father and mother and they're sleeping. When they wake up in the morning, they go out to outside and they come back and they give it to the baby bear

120

mother and father were in the living room and couldn't hear it.

Story 10.-- I had a dog and he died. Two dogs going into the bathroom. The little dog has to have a bath and he doesn't want to. The little dog kept barking. He wanted to go out the door again so he wouldn't have to have a bath. He doesn't like to have a bath. The big dog is carrying the little dog in and they just got in the door of the bathroom. There's a towel, and a bathing right by the towel which is hanging on the back. The bathroom is very small. The dogs have very much fur and their ears are very long. They look like cocker spaniels because they have long ears and short tails.

APPENDIX A

TEST PROTOCOLS

Normal Boys

Protocol 1

Story 1.-- There's a bird. Bowl there, a big one, a small bowl, spoon, bird and a table. There's some food in there. There's another spoon and this bird has a spoon. They feel happy. There's a leg on the table. Chair here and another leg. They're happy 'cause they're having food. Then they fly away.

Story 2.-- They're having a game of tug of war. This is a bear--another and another. They're on a mountain. If anybody wins, then they have another game. That's mother, father and baby. The father wins. They feel happy. There's a knot there and the baby bear is helping and the father bear is trying to win.

Story 3.-- Lion sitting in a chair. There's a mouse in his hole. There's a cane and the bear's trying to catch this mouse and he's smoking a pipe. If he catches him, he'll eat him up. The mouse feels poor and the lion feels happy. There is a rug there. Then he watches him and eats him. My small cousin caught three of them. We set a trap for them. I have a sister who goes over Gorton High. That's all.

Story 4.-- There's a basket and there's a apple (balloon). There's a small one of those and there's a hat, pocketbook and bike, and a monkey-kangaroo. There's trees. I know a friend got a tree. My cousin's got a tree and a record player and he's moving in another house and I'm going to see him and I'm going to play volley ball with my father and big kids and my small cousins. It was nice the last time we went over. They're going someplace, around the trees. They all feel happy. There's a quart of milk there. They're going on a picnic and there's a steering wheel there and that's all.

Story 5.-- A carriage, bed, another bed, window, lamp and stairs, pillow, table, door, another pillow. When the people carry the baby up and put him in bed and the mother and father go to bed and there's curtains. Everybody feels happy in the picture. There's really nobody in the picture and that's all.

Story 6.-- There's a bear father and mother and they're sleeping. When they wake up in the morning, they go out to outside and they come back and they give it to the baby bear

APPENDIX A
TEST PROTOCOLS

Normal Boys

Protocol 1

Story 1.--- There's a bird. Bowl there, a big one, a small bowl, spoon, bird and a table. There's some food in there. There's another spoon and this bird has a spoon. They feel happy. There's a leg on the table. Chair here and another leg. They're happy 'cause they're having food. Then they fly away.

Story 2.--- They're having a game of tug of war. This is a bear--another and another. They're on a mountain. If anybody wins, then they have another game. That's mother, father and baby. The father wins. They feel happy. There's a knot there and the baby bear is helping and the father bear is trying to win.

Story 3.--- Lion sitting in a chair. There's a mouse in his hole. There's a cane and the bear's trying to catch this mouse and he's smoking a pipe. If he catches him, he'll eat him up. The mouse feels poor and the lion feels happy. There is a rug there. Then he watches him and eats him. My small cousin caught three of them. We eat a trap for them. I have a sister who goes over Union High. That's all.

Story 4.--- There's a basket and there's a apple (balloon). There's a small one of those and there's a hat, pocketbook and bike, and a monkey-kangaroo. There's trees. I know a friend got a tree. My cousin's got a tree and a record player and he's moving in another house and I'm going to see him and I'm going to play volley ball with my father and his kids and my small cousin. It was nice the last time we went over. They're going somewhere, around the trees. They all feel happy. There's a quart of milk there. They're going on a picnic and there's a steering wheel there and that's all.

Story 5.--- A carriage, bed, another bed, window, lamp and stairs, pillow, table, door, another pillow. When the people carry the baby up and put him in bed and the mother and father go to bed and there's curtains. Everybody feels happy in the picture. There's really nobody in the picture and that's all.

Story 6.--- There's a bear father and mother and they're sleeping. When they wake up in the morning, they go out to outside and they come back and they give it to the baby bear

and the baby bear feels happy and the mother and father feel happy too.

Story 7.-- I know these things here. There's a lion and monkey. And the lion is going to eat him up if he catches him and I saw a man kill one with his knife and he didn't get any blood on him and he flung him over his shoulder and there's a jungle and the monkey feels poor and the lion feels happy. If the lion eats him up he will be happy. I wouldn't if the lion ate the monkey 'cause I like monkeys. Tree there. That's all.

Story 8.-- There's a monkey, monkey, monkey. Two are on couch. Another on chair. The father. Mother's asking him to go to bed. He feels poor (baby). The monkey's feel happy and there's a picture with glasses and they have coffee and they all go to bed too. There's a door there. That's all.

Story 9.-- There's a door and a small baby sleeping. A window, doorknob, mirror, and small bed. And the bunny's gonna go to sleep. He feels poor 'cause he has to go to bed. And I always go to bed early 'cause I have to get up and go to school. My cousin has a small bike and a tractor and we ride it in the cellar and that's all.

Story 10.-- A big doggy and small doggy and a bathroom and towel and he's giving the dog a spanking. I had two dogs. They got run over and the dog catcher took one away and brought me a nice one. It's in my yard and my cousin has a brother and a sister. This (baby) one feels poor and this one feels happy. He's getting a spanking 'cause he's bad. He bit someone and the father's giving him a spanking. That's all.

Protocol 2

Story 1.-- It looks like they're going to eat. They have to get the food in the bowls. They're little birds. This is a great big rooster. He is looking at them. They're sitting on ladders. They got spoons in their hand. They got a napkin. Everything is on the table. These two have a napkin and that one hasn't. He doesn't want to have one on. He has a spoon in his hand and I don't know what he is going to do now. This one (left) hasn't got the same kind of eyes as these have.

Story 2.-- The three little bears. They're having a tug of war. This one baby is with the father and there is the mother (extreme left). The rope might break in the middle. They're on rocks. The mother might let go and them two might go flying. This one (mother) is getting hands hurt and these two look like they're happy. The mother looks like she has most of the rope. This rope may break. The mother is going

and the baby feels happy and the mother and father feel happy too.

Story 7.-- I know these things here. There's a lion and monkey. And the lion is going to eat him up if he catches him and I saw a man kill one with his knife and he didn't get any blood on him and he flung him over his shoulder and there's a jungle and the monkey feels poor and the lion feels happy. If the lion eats him up he will be happy. I wouldn't let the lion see the monkey 'cause I like monkeys. There there. That's all.

Story 8.-- There's a monkey, monkey, monkey. Two are on couch. Another on chair. The father. Mother's asking him to go to bed. He feels poor (baby). The monkey's feel happy and there's a picture with glasses and they have coffee and they all go to bed too. There's a door there. That's all.

Story 9.-- There's a door and a small baby sleeping. A window, door knob, mirror, and small bed. And the bunny's gonna go to sleep. He feels poor 'cause he has to go to bed. And I always go to bed early 'cause I have to get up and go to school. My cousin has a small bike and a tractor and we ride it in the cellar and that's all.

Story 10.-- A big doggy and small doggy and a bathroom and towel and he's giving the dog a spanking. I had two dogs. They got run over and the dog catcher took one away and brought me a nice one. It's in my yard and my cousin has a brother and a sister. This (baby) one feels poor and this one feels happy. He's getting a spanking 'cause he's bad. He hit someone and the father's giving him a spanking. That's all.

Protocol 8

Story 1.-- It looks like they're going to eat. They have to get the food in the bowls. They're little birds. This is a great big rooster. He is looking at them. They're sitting on ladders. They got spoons in their hands. They got a napkin. Everything is on the table. These two have a napkin and that one hasn't. He doesn't want to have one on. He has a spoon in his hand and I don't know what he is going to do now. This one (left) hasn't got the same kind of eyes as these have.

Story 2.-- The three little bears. They're having a tug of war. This one baby is with the father and there is the mother (extreme left). The rope might break in the middle. They're on rocks. The mother might let go and then two might go flying. This one (mother) is getting hands hurt and these two look like they're happy. The mother looks like she has most of the rope. This rope may break. The mother is going

to win the tug of war.

Story 3.-- Oh brother! There is a lion sitting here and there's a mouse here. He has a pipe and a cane and he has his leg crossed. There is a rug down here. If the mouse comes out the lion will open his mouth and grab him. The mouse will go running back in if the lion sees him. If he didn't, he would be in his stomach. He has an elbow going up to his chin. The lion might get up and might get hold of the tiny mouse.

Story 4.-- A kangaroo and a little kangaroo behind him on a bike and there is another kangaroo (points to one in pouch). There's a lunch basket. He's got a hat on him. It must be a she. It looks like they're going on a picnic. There is somebody's house over there. The little kangaroo in the pouch might jump out. There are trees -- a basket. It looks like somebody's house there (extreme right). It might be theirs. He is holding his hat on. This one (on bike) looks like he is holding on to the tail. It looks like it is snowing out there too--the kangaroo is hopping. Something else might happen--they might sit on the bench and the seat might break. They might have fun on the picnic. (Points to shadow in background). This might be a whale.

Story 5.-- There is one crib here with dogs in it and there is one great big bed there. There is three windows. One is asleep and one is awake. (Refers to the dogs in crib). Outside is a field. Nobody is in this bed here. (large bed). Looks like a little tiny door here (extreme right). Must be midgets. I don't think so with that big giant bed there, though. This bed here I don't think anyone could get under it. (refers to large bed). The dogs might want to climb out and get under it. Looks like you can get under the crib. (Points to curtain) - Right here looks like there are strings hanging. Looks like somebody is under the blankets. There is a board going across here (describing large bed). Looks like the dogs want to get out. Maybe they can climb out. The dogs are the same color as the bed. The crib is light. The big bed is dark. This dog (left) has his tail sticking up there.

Story 6.-- This one is baby, that is the mother and this one (behind center figure) is the biggest. The baby is wide awake. The others look like they're asleep. This one (baby) is near the edge of the cave. They look like bears. Looks like peek holes up there for someone to look through (refers to upper part of sketch). Looks like it might be winter and they might stay in there till winter's over. That's what they usually do. There is one great big rock. This baby might sneak out. He must be waiting for them to go to sleep so he can get out. There are leaves--there might be a hold under the grass and the baby-crash-might fall down. Them two ears are small

to win the tug of war.

Story 3.--- Oh brother! There is a lion sitting here and there's a mouse here. He has a pipe and a cane and he has his leg crossed. There is a rug down here. If the mouse comes out the lion will open his mouth and grab him. The mouse will go running back to the lion's side. If he didn't, he would be in his stomach. He has an elbow going up to his chin. The lion might get up and might get hold of the tiny mouse.

Story 4.--- A kangaroo and a little kangaroo behind him on a bike and there is another kangaroo (points to one in pouch). There's a lunch basket. He's got a hat on him. It must be a she. It looks like they're going on a picnic. There is somebody's house over there. The little kangaroo in the pouch might jump out. There are trees -- a basket. It looks like somebody's house there (extreme right). It might be theirs. He is holding his hat on. This one (on bike) looks like he is holding on to the tail. It looks like it is snowing out there too--the kangaroo is hopping. Something else might happen-- they might sit on the bench and the seat might break. They might have fun on the picnic. (Points to shadow in background). This might be a whale.

Story 5.--- There is one crib here with dogs in it and there is one great big bed there. There is three windows. One is asleep and one is awake. (Refers to the dogs in crib). Outside is a field. Nobody is in this bed here. (large bed). Looks like a little tiny dog here (extreme right). Must be midgets. I don't think so with that big giant bed there, though. This bed here I don't think anyone could get under it. (Refers to large bed). The dogs might want to climb out and get under it. Looks like you can get under the crib. (Points to curtain) - Right here looks like there are strings hanging. Looks like somebody is under the blankets. There is a board going across here (describing large bed). Looks like the dogs want to get out. Maybe they can climb out. The dogs are the same color as the bed. The crib is light. The big bed is dark. This dog (left) has his tail sticking up there.

Story 6.--- This one is baby, that is the mother and this one (behind center figure) is the biggest. The baby is wide awake. The others look like they're asleep. This one (baby) is near the edge of the cave. They look like bears. Looks like peak holes up there for someone to look through (refers to upper part of sketch). Looks like it might be winter and they might stay in there till winter's over. That's what they usually do. There is one great big rock. This baby might sneeze out. He must be waiting for them to go to sleep so he can get out. There are leaves--there might be a hole under the grass and the baby-crash-might fall down. Then two ears are small

(pointing to center figures). The baby has the biggest ears.

Story 7.-- This tiger is after a little monkey. I think the little monkey will get away on time, though. Looks like the tiger was behind the tree waiting to jump. The monkey might get up in the tree and the tiger might knock the tree over. Looks like a skinny tree. Looks like water (points to background) 'cause monkey looks wet. The monkey might hit him over the head with his claws and make it bleed. The tiger's almost getting the monkey's tail. The monkey might climb up the tree, run across these ropes and get on to this tree (extreme left). Looks like he is going to hit the tiger over the head.

Story 8.-- What are they? They might be monkeys. One of these is talking to the baby. That's the mother, that's the father (right figure in background). This one is drinking tea. It looks like they're whispering. They have one picture up. Both of these (points to two rear figures) are having tea. Chair has flowers on it. Mother is telling baby not to butt in while them two are talking. This one here (extreme left) has his leg crossed. Maybe monkey is telling him not to fight outside.

Story 9.-- The bunny is in bed. Looks like it's made out of wood. This door is open. It has a rug under the bed. They have a mirror. Maybe the baby told the mother to leave the door open. Maybe the baby is listening to what the mother and father are talking about. This window is open a little.

Story 10.-- Looks like this dog is trying to get on to the little one. No, this one (points to little one) is on his knee. They want to go to the bathroom. Maybe they're going into the bathtub too. These are bricks (points to wall). This is a towel rack. I don't know how they can reach it, though. The dog (little one) might sit on the toilet and he might fall in.

Protocol 3

Story 1.-- I don't even know what these things are. I don't know what stories are. (hanged his head). They're eating some pudding. Can I tell the story of three bears? They like eating pudding. They don't like macaroni. The big cock is just standing there.

Story 2.-- Three bears pulling on the rope. They're outside on the dirt. The baby bear is at the back. And they're wild and they can beat up tigers. That's a poppa bear and that's a momma bear, (with baby) and they got big ears like dogs, and they have all hair on. The poppa bear wins and then they all fall down. They don't feel well because they hurt so hard when they fell down.

(pointing to center figures). The baby has the biggest ears.

Story 7.--- This tiger is after a little monkey. I think the little monkey will get away on time, though. Looks like the tiger was behind the tree waiting to jump. The monkey might get up in the tree and the tiger might knock the tree over. Looks like a skinny tree. Looks like water (points to background) 'cause monkey looks wet. The monkey might hit him over the head with his claws and make it bleed. The tiger's almost getting the monkey's tail. The monkey might climb up the tree, run across these ropes and get on to this tree (extreme left). Looks like he is going to hit the tiger over the head.

Story 8.--- What are they? They might be monkeys. One of these is talking to the baby. That's the mother, that's the father (right figure in background). This one is drinking tea. It looks like they're whispering. They have one picture up. Both of these (points to two rear figures) are having tea. Chair has flowers on it. Mother is telling baby not to put in while these two are talking. This one here (extreme left) has his leg crossed. Maybe monkey is telling him not to fight outside.

Story 9.--- The bunny is in bed. Looks like it's made out of wood. This door is open. It has a rug under the bed. They have a mirror. Maybe the baby told the mother to leave the door open. Maybe the baby is listening to what the mother and father are talking about. This window is open a little.

Story 10.--- Looks like this dog is trying to get on to the little one. No, this one (points to little one) is on his knee. They want to go to the bathroom. Maybe they're going into the bathroom too. These are ducks (points to wall). This is a towel rack. I don't know how they can reach it, though. The dog (little one) might sit on the toilet and he might fall in.

Protocol 3

Story 1.--- I don't even know what these things are. I don't know what stories are. (hanged his head). They're eating some pudding. Can I tell the story of three bears? They like eating pudding. They don't like macaroni. The big cook is just standing there.

Story 2.--- Three bears pulling on the rope. They're outside on the dirt. The baby bear is at the back. And they're wild and they can beat up tigers. That's a poppy bear and that's a woman bear, (with baby) and they got big ears like dogs and they have all hair on. The poppy bear wins and then they all fall down. They don't feel well because they hurt so hard when they fell down.

Story 3.-- Lion is the king of beasts and they eat people and they crawl and they have tails and they have all hair on them and there's a black chair and a cane and it has eyes and it has a pipe in it's hand and a little mouse and a big tree. The mouse is sick, and the lion has a headache. They hurt themselves when they went out to play. Also black rock. They were running so hard that they fell down and hurt themselves and they have all dots on their feet (lion).

Story 4.-- Deers going to the store. She don't feel well and then she has a little baby deer and she has a six, a five, a four year old kid. They're riding a bicycle. They have tails. She has a pocketbook and she has lunch and she has a nice hat on and she has legs and there's big trees and it snowed out. The four year old deer feels wonderful. The baby one doesn't and he has a big balloon because she fell down and she hurt herself (baby). Then the four year old deer picked her up and brought her in the house. Pretty trees, brass and dirt. I don't have anything else to say.

Story 5.-- Big house and the cats are sleeping (sigh) lamp, bed, some rugs and some windows and some wooden things to hold up the lamp, a crib, and some curtains, and it's dark in the house. Cats feel very nice because they didn't hurt themselves, they were sleeping. I don't have anything else to say to this one.

Story 6.-- Bears are in their house in the woods and the other bear doesn't know about it. They are frightened because there is a lion coming. There is another side, they can go out and there is some rocks and some leaves. They get so frightened that they climb up and the lion gets very mad. When the lion gets up there, he falls down. I don't have anything else to say.

Story 7.-- Tiger's trying to get the monkey in the jungle. Lots of leaves, some poison ivy and some plants. And the tiger's got a tail and sharp teeth and got some sort of fingers on his hands. The monkey's got a tail, and some hands. The tiger doesn't get the monkey. Some dirt over here. Because the monkey's climbing up on the tree. The monkey is mad because of that tiger, because the tiger don't like the monkey and the monkey don't like the tiger.

Story 8.-- Dummy monkey (little one), father monkey, the mother, and the poppa monkey. They have feet like hands and they have hands. Faces picture, couch, stool. They are whispering and the father monkey is laughing because the dummy monkey--door--they are beating the father bear and I don't have anything to say on this picture (aggressively).

Story 3.-- Lion is the king of beasts and they eat people and they crawl and they have tails and they have all hair on their heads and there's a black chair and a cane and it has eyes and it has a pipe in its hand and a little mouse and a big tree. The mouse is sick and the lion has a headache. They hurt themselves when they went out to play. Also black rock. They were running so hard that they fell down and hurt themselves and they have all dots on their feet (lion).

Story 4.-- Bears going to the store. She don't feel well and then she has a little baby bear and she has a six, a five, a four year old kid. They're riding a bicycle. They have tails. She has a pocketbook and she has lunch and she has a nice hat on and she has legs and there's big trees and it snowed out. The four year old bear feels wonderful. The baby one doesn't and he has a big balloon because she fell down and she hurt herself (baby). Then the four year old bear picked her up and brought her in the house. Pretty trees, grass and dirt. I don't have anything else to say.

Story 5.-- Big house and the cats are sleeping (sigh) lamp, bed, some rugs and some windows and some wooden things to hold up the lamp, a crib, and some curtains, and it's dark in the house. Cats feel very nice because they didn't hurt themselves. They were sleeping. I don't have anything else to say to this one.

Story 6.-- Bears are in their house in the woods and the other bear doesn't know about it. They are frightened because there is a lion coming. There is another side, they can go out and there is some rocks and some leaves. They get so frightened that they climb up and the lion gets very mad. When the lion gets up there, he falls down. I don't have anything else to say.

Story 7.-- Tiger's trying to get the monkey in the jungle. Lots of leaves, some poison ivy and some giants. And the tiger's got a tail and sharp teeth and got some sort of fingers on his hands. The monkey's got a tail, and some hands. The tiger doesn't get the monkey. Some dirt over here. Because the monkey's climbing up on the tree. The monkey is mad because of that tiger, because the tiger don't like the monkey and the monkey don't like the tiger.

Story 8.-- Dumb monkey (little one), father monkey, the mother, and the other monkey. They have feet like hands and they have hands. Faces picture, couch, stool. They are whispering and the father monkey is laughing because the dumb monkey--dumb--they are beating the father bear and I don't have anything to say on this picture (aggressively).

Story 9.-- The rabbit is sleeping. It's Christmas eve and the door's open. Some windows, mirror, crib, rabbit, rug, wall. The rabbit feels very nice because he's just been sleeping. He is a very nice boy. He got a bicycle and a puppet. It was a Howdy Doody puppet and a Clarabel puppet.

Story 10.-- Toilet, towel, and there's a pot. A dog with all hair on him and a baby dog with all hair on him. They have long ears and there's a stone wall. The dogs are just playing. They feel very nice because they were just staying in. Stall, bathtub.

Protocol 4

Story 1.-- They're hens with their mother and they're eating. One of the bowls spills and they jump up quick. Then the mother came along and they ran away, but the mother caught the one that spilled the bowl and gave him a good spanking.

Story 2.-- Bear's pulling on a rope. Two big bears and a baby. Little one is a girl and other two are men. They're on a hill. If one should let go, they might fall. The rope might catch on to a rock on the mountain. If there are no hooks on rocks on the mountain, they might fall down and kill themselves.

Story 3.-- A king tiger smoking his pipe and he's sitting in his big chair and there's a little mouse peeking out of his mouse hole. Tiger has a cane with him on the side of his chair. The tiger catches the mouse and eats him up.

Story 4.-- Mother kangaroo and baby in her pouch and a baby riding a three wheeler. The mother holds on to her hat and is hopping and carrying a basket of food. The baby in pouch has a balloon and the mother has a purse. They're going home 'cause I see a house with smoke. They go down a hill and has a nice ride right to the house. When they get home the baby on the bike plays.

Story 5.-- The cub is in the crib and the bed is beside it and a lamp beside the bed and there are woods outside and there's a dresser. When he grows up, he'll be a mother and a father. He's playing in his crib.

Story 6.-- There's a baby cub coming out of a hole that he sleeps in. His head and two front paws are out of the hole and the mother and daddy block up the entrance so he won't be able to get out. (I think it's a she or a he). They're in the cave the mother and father built. The father done the most work. He might get lost if he comes out and the mother and daddy don't want to go looking for him. That's why they don't want him to go out.

Story 9.-- The rabbit is sleeping. It's Christmas eve and the door's open. Some windows, mirror, crib, rabbit, rug, wall. The rabbit feels very nice because he's just been sleeping. He is a very nice boy. He got a bicycle and a puppet. It was a lovely puppy and a glassed puppet.

Story 10.-- Toilet, towel, and there's a dog. A dog with all hair on him and a baby dog with all hair on him. They have long ears and there's a stone wall. The dogs are just playing. They feel very nice because they were just staying in. Still, bathroom.

Protocol 4

Story 1.-- They're home with their mother and they're eating. One of the bowls spills and they jump up outside. Then the mother came along and they ran away, but the mother caught the one that spilled the bowl and gave him a good spanking.

Story 2.-- Bear's pulling on a rope. Two big bears and a baby. Little one is a girl and other two are men. They're on a hill. If one should let go, they might fall. The rope might catch on to a rock on the mountain. If there are no rocks on rocks on the mountain, they might fall down and kill themselves.

Story 3.-- A king tiger smoking his pipe and he's sitting in his big chair and there's a little mouse peeking out of his mouse hole. Tiger has a cane with him on the side of his chair. The tiger catches the mouse and eats him up.

Story 4.-- Mother kangaroo and baby in her pouch and a baby riding a three wheeler. The mother holds on to her hat and is hopping and carrying a basket of food. The baby in pouch has a balloon and the mother has a purse. They're going home 'cause I see a house with smoke. They go down a hill and has a nice ride right to the house. Then they get home the baby on the bike plays.

Story 5.-- The cup is in the crib and the bed is beside it and a lamp beside the bed and there are woods outside and there's a dresser. When he grows up, he'll be a mother and a father. He's playing in his crib.

Story 6.-- There's a baby cup coming out of a hole that he sleeps in. His head and two front paws are out of the hole and the mother and daddy look up the entrance so he won't be able to get out. (I think it's a she or a he). They're in the cave the mother and father built. The father does the most work. He might get lost if he comes out and the mother and daddy don't want to go looking for him. That's why they don't want him to go out.

Story 7-- A tiger is after a monkey in the jungle and the tiger is a he and the monkey is a she. The monkey swings. And there's grass and leaves on the ground, a big rock and trees where the monkey swings. The tiger gets him or else the tiger don't get him. There's a pointed rock and the tiger might land on it and get killed, and then the monkey don't get caught.

Story 8-- A baby monkey with his father, and the mother's whispering to another nonkey (a he). They're in the house. The father has rings in his ears. The mother sits on the couch with the other father man, and the father with the boy is on a stool. I think the father's blind, 'cause his eyes are closed, and there's a picture of the mother. The little one feels sad. He'll get a spanking and the father is mad 'cause the baby done something wrong. And the mother and other man are having tea.

Story 9-- A baby rabbit in his crib in his own room. And He's in bed and the door's open. I see his dresser, his window and drapes and floor. He feels sad 'cause I think he's sick and he stays in bed until he's all better.

Story 10-- There's a mother spanking a little one in the bathroom. There's the toilet and a hamper and the mother on the stool. The baby puppy is crying. He done something wrong. He went to the bathroom outside and there is a toilet right in the house.

Protocol 5

Story 1-- There's birds eating Thanksgiving. They're sitting down.

Story 2-- There are bears pulling a rope. A little bear is pulling a rope. They will fall. Mammy bear and baby bear will fall. They will fall off the hill. They will get hurt. Other bear is father bear. Mother bear and baby bear and father bear will go to the hospital.

Story 3-- There's a lion sittin down smoking a pipe with a cane and a mouse is looking out at him. He has an ash tray under the chair and he lives in the house. The mouse will squeal. The lion will get scared and growl at the mouse. Then the mouse runs back into his house and get caught in the mouse trap.

Story 4-- There's kangaroos riding on a bike. The big kangaroo has two baby ones. The mamma has a hat and some food and they're gonna run in the woods and fall in some water. They will get drown. And the baby one is carrying a balloon. He gets drown too.

Story 7.-- A tiger is after a monkey in the jungle and the tiger is a he and the monkey is a she. The monkey swings. And there's grass and leaves on the ground, a big rock and trees where the monkey swings. The tiger gets him or else the tiger don't get him. There's a pointed rock and the tiger might land on it and get killed, and then the monkey don't get caught.

Story 8.-- A baby monkey with his father and the mother's whispering to another monkey (a he). They're in the house. The father has rings in his ears. The mother sits on the couch with the other father man, and the father with the boy is on a stool. I think the father's blind, 'cause his eyes are closed, and there's a picture of the mother. The little one feels sad. He'll get a spanking and the father is mad 'cause the baby done something wrong. And the mother and other man are having tea.

Story 9.-- A baby rabbit in his crib in his own room. And he's in bed and the door's open. I see his dresser, his window and dresses and floor. He feels sad 'cause I think he's sick and he stays in bed until he's all better.

Story 10.-- There's a mother spanking a little one in the bathroom. There's the toilet and a hamper and the mother on the stool. The baby puppy is crying. He done something wrong. He went to the bathroom outside and there is a toilet right in the house.

Protocol 2

Story 1.-- There's birds eating Thanksgiving. They're sitting down.

Story 2.-- There are bears pulling a rope. A little bear is pulling a rope. They will fall. Many bear and baby bear will fall. They will fall off the hill. They will get hurt. Other bear is father bear. Mother bear and baby bear and father bear will go to the hospital.

Story 3.-- There's a lion sitting down smoking a pipe with a cane and a mouse is looking out at him. He has an ash tray under the chair and he lives in the house. The mouse will squeal. The lion will get scared and growl at the mouse. Then the mouse runs back into his house and get caught in the mouse trap.

Story 4.-- There's kangaroos riding on a bike. The big kangaroo has two baby ones. The mama has a hat and some food and there's gonna run in the woods and fall in some water. They will get drown. And the baby one is carrying a balloon. He gets drown too.

Story 5.-- Two bears laying in bed. Mother bear is dead, and there are three windows and a lamp. They don't feel very good 'cause the mother bear and father bear is dead. They die too. They want to die too, 'cause the mother bear and father bear are dead, and there's a rug laying on the floor.

Story 6.-- I don't know what they are. They look like bears. The bears are laying in a tunnel and mother and father bear and baby bear. The tunnel caves in. They get killed.

Story 7.-- Leopard coming after the monkey and the monkey and the leopard are in the trees and the leopard catches and kills the monkey. He kills him by his claws.

Story 8.-- Gorillas in a house. A mother, a father, a baby and a brother (father and mother on couch). There's a picture on the wall of the mother. The baby is standing up. The father is sitting down. There's flowers on the cloth.

Story 9.-- There's a rabbit laying in a crib. Trees growing through the house and he's all alone. There's a lamp and a rug and a mirror and some windows. He gets out of some windows. He gets out of bed and runs away, 'cause the mother and father aint there they've gone someplace. He feels bad. He gets killed. Mother and father get killed too.

Story 10.-- There's a dog having puppies. He's bathing a puppy dog. There's a toilet behind them and towels. Mother dog washing baby dog. Baby dog feels good because he's having a bath.

Protocol 6

Story 1.-- The duckies are going to have their breakfast. The mother will get a spoon and put their food in the dishes. They'll eat their breakfast and go out and play.

Story 2.-- The bears are having a tug-of-war. The father is strongest. He'll pull the rope from the mother and baby. He'll win the game.

Story 3.-- The tiger looks cross. He's thinking about how to catch the mouse. He'll hit the mouse with his case.

Story 4.-- The kangaroos are going on a picnic. The boy is riding his bike. The baby has a balloon. They'll go to the park for their picnic.

Story 5.-- It's night time. The bears are asleep. There's a rug, a bed, a table, and a lamp, and three windows in the room.

Story 5. -- Two bears laying in bed. Mother bear is dead, and there are three windows and a lamp. They don't feel very good 'cause the mother bear and father bear is dead. They die too. They want to die too, 'cause the mother bear and father bear are dead, and there's a rug laying on the floor.

Story 6. -- I don't know what they are. They look like bears. The bears are laying in a tunnel and mother and father bear and baby bear. The tunnel caves in. They get killed.

Story 7. -- Leopard coming after the monkey and the monkey and the leopard are in the trees and the leopard catches and kills the monkey. He kills him by his claws.

Story 8. -- Corlies in a house. A mother, a father, a baby and a brother (father and mother on couch). There's a picture on the wall of the mother. The baby is standing up. The father is sitting down. There's flowers on the cloth.

Story 9. -- There's a rabbit laying in a crib. Trees grow- ing through the house and he's all alone. There's a lamp and a rug and a mirror and some windows. He gets out of some windows. He gets out of bed and runs away, 'cause the mother and father ain't there they've gone someplace. He feels bad. He gets killed. Mother and father get killed too.

Story 10. -- There's a dog having puppies. He's bathing a puppy dog. There's a toilet behind them and towels. Mother dog washing baby dog. Baby dog feels good because he's having a bath.

Protocol 6

Story 1. -- The ducks are going to have their breakfast. The mother will get a spoon and put their food in the dishes. They'll eat their breakfast and go out and play.

Story 2. -- The bears are having a tug-of-war. The father is strongest. He'll pull the rope from the mother and baby. He'll win the game.

Story 3. -- The tiger looks cross. He's thinking about how to catch the mouse. He'll hit the mouse with his cane.

Story 4. -- The kangaroos are going on a picnic. The boy is riding his bike. The baby has a balloon. They'll go to the park for their picnic.

Story 5. -- It's night time. The bears are asleep. There's a rug, a bed, a table, and a lamp, and three windows in the room.

Story 6.-- The bears are in a tunnel sleeping. They came back from a long walk. They ate and went to sleep.

Story 7.-- The tiger is going to kill the little monkey. The monkey is climbing the tree; he'll get away by climbing up high. Monkeys can climb high: They climb fast too.

Story 8.-- The monkeys are in the living room. Two monkeys are drinking tea. The grandmother monkey is telling the little boy to go out and get some cookies from the kitchen.

Story 9.-- The bunny is sitting up in the crib. He wants to get out of bed and get a toy. He'll get the toy and play with it.

Story 10.-- The mother is going to spank the little puppy dog because he messed up the bathroom. The puppy will cry. Next time he won't mess up the bathroom.

Protocol 7

Story 1.-- They're birdies and they're eating. The chicken eats the food up. The birdies don't feel very good and they're crying.

Story 2.-- The mother's pulling the rope and the daddy and baby are pulling it back. And the baby almost fell down the hill and the mother almost fell down the hill and the father broke the rope and the baby fell and the mother fell.

Story 3.-- A lion. The lion sitting in a chair and smoking a pipe and the lion saw someone coming so he called other lions and said, "Come on, in. Let's get the squirrel swimming in the water." So they got him and ate him up.

Story 4.-- The fox. The mother fox rides the bike. The daddy one carries the picnic basket and the mother's pocketbook and carries the baby one in his lap. They're going on a picnic lunch at the park. It's starts raining, so they have to go home. The baby's balloon busted so he starts crying.

Story 5.-- There's two beds and two bears sleeping in one and mother and daddy sleeping in the other. The mother just turned the light off to go to bed and the baby one started crying because he's afraid of the dark. So the mother turned the light on. The mother give him a bottle and he went to sleep and the mother turned the light off and went back to bed. Morning came and the baby woke up and she cried. And mother and daddy and other baby woke up and got out of bed and had breakfast and the daddy went to work. And babies went to the

Story 1.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Story 2.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Story 3.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Story 4.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Story 5.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Protocol 1

Story 1.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Story 2.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Story 3.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Story 4.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

Story 5.-- The boy was in a hurry to leave. He was late for school. He was late for school. He was late for school.

playpen and the mother made the beds. When night came, poppa came home and got dressed for bed and mother got dressed for bed and mother got the babies dressed and they all went to bed.

Story 6.-- Three little foxes, mother and daddy and baby in there and they're all going to sleep. And a guy walked in and the baby fox chased him away. After that he went to sleep. When morning came, they found their breakfast and they ate it and ate it and when night come, they went to bed again. A rock rolled in and the baby went and slept with the mother. When they woke up, they pushed the rock and went to hunt for their breakfast. And they came back and their house broke down, so they built another and baby went to sleep with mother and daddy.

Story 7.-- Lion and a monkey. A lion chased a monkey up a tree. The monkey jumped on him. The lion climbed up the tree and the monkey fell off. And the tree fell down with the lion and the mother heard daddy and came to get him and when the mother got there, the monkey ran down the hill and the baby was there and chased the monkey up the hill. When the baby got up the hill with the monkey, they got him trapped and took him to the lion camp and when morning came, he got away and lion went out to hunt him. When the monkey was way off, he climbed up a tree and the lion didn't see him and the monkey sent back and tore down their houses and it started to rain and he went in a cave and when he came back, they saw their houses torn down.

Story 8.-- A baby and a father and a mother and a big monkey. The mother and big monkey had coffee and daddy and baby talking to each other. And they got coffee and drank it and the baby and daddy layed down. The father sat down with the baby on his lap. The daddy layed down on sofa and said to the baby, "Don't lay down on the floor anymore because you will get a cold, so lay on the sofa." So he lay on the sofa and the daddy sat down beside him. The picture started to move and fell on baby's head. And the daddy fixed it and painted another. The baby one layed down and went to sleep and the mother layed down beside him and went to sleep. The daddy was sitting down drinking coffee with big brother. The mother got milk for the baby and they all layed down.

Story 9.-- A little rabbit laying in wooden bed. Mother called for dinner and he never answered. The rabbit went to bed one night and in the morning the mother called him and he answered and then daddy and baby one and mother came down for breakfast and they ate, and poppa went to work, baby went to play pen, and the brother went outside. And mother cleaned up the house. When daddy came home, he got dressed for bed and the baby went to bed, but poppa didn't. After the baby and the kid went to bed, the poppa and mommie went to bed. Then when morning came, daddy came and ate his breakfast and went to work

playpen and the mother made the beds. When night came, poppa came home and got dressed for bed and mother got dressed for bed and mother got the babies dressed and they all went to bed.

Story 6.--- Three little foxes, mother and baby and baby in there and they're all going to sleep. And a guy walked in and the baby fox chased him away. After that he went to sleep. Then morning came, they found their breakfast and they ate it and ate it and when night came, they went to bed again. A look rolled in and the baby went and slept with the mother. When they woke up, they entered the room and went to hunt for their breakfast. And they came back and their house broke down, so they built another and baby went to sleep with mother and daddy.

Story 7.--- Lion and a monkey. A lion chased a monkey up a tree. The monkey jumped on him. The lion climbed up the tree and the monkey fell off. And the tree fell down with the lion and the mother heard daddy and came to get him and when the mother got there, the monkey ran down the hill and the baby was there and chased the monkey up the hill. When the baby got up the hill with the monkey, they got him trapped and took him to the lion camp and when morning came, he got away and lion went out to hunt him. When the monkey was way off, he climbed up a tree and the lion didn't see him and the monkey went back and tore down their houses and it started to rain and he went in a cave and when he came back, they saw their houses torn down.

Story 8.--- A baby and a father and a mother and a pig monkey. The mother and pig monkey had coffee and daddy and baby talking to each other. And they got coffee and drank it and the baby and daddy layed down. The father sat down with the baby on his lap. The daddy layed down on sofa and said to the baby, "Don't lay down on the floor anymore because you will get a cold, so lay on the sofa." So he lay on the sofa and fell daddy sat down beside him. The picture started to move and fell on baby's head. And the daddy liked it and painted another. The baby one layed down and went to sleep and the mother layed down beside him and went to sleep. The daddy was sitting down drinking coffee with his brother. The mother sat with for the baby and they all layed down.

Story 9.--- A little rabbit laying in wooden bed. Mother called for dinner and he never answered. The rabbit went to bed one night and in the morning the mother called him and he answered and then daddy and baby one and other came down for breakfast and they ate, and poppa went to work, baby went to play pen, and the brother went outside. And mother cleaned up the house. When daddy came home, he got dressed for bed and the baby went to bed, but poppa didn't. After the baby and the kid went to bed, the poppa and mother went to bed. Then when morning came, daddy came and ate his breakfast and went to work.

and baby came down and mother said, "Why didn't you get up when daddy did?" And the brother came and mother said the same thing to him.

Story 10.-- A mother and baby dog were in the bathroom. And the daddy came and sat on the commode and was using it. And the baby went to wash his hands and the mother lifted him on the sink. And mother took a bath and baby got in the tub with her and they scrubbed each other. And when the daddy was through, he pulled his britches up and went out of the bathroom and put on his old britches. When mother and baby got out of the tub, they dried themselves. The mother sat on the commode and done it and baby one put some powder on him and mother came out and got dressed.

Protocol 8

Story 1.-- They might be making for the mother to hurry up and get some more. When the mother gets some more and saves the rest for the next day or for supper and then they go to bed.

Story 2.-- This is easy! (Mother bear) He might be saying "Help," because there are two against one and they might pull so hard that the rope will fall and he'll fall down. They couldn't be the poppa and baby, unless they were pulling her up. I don't think the baby's doing much help 'cause he isn't big enough to pull it. If the baby were bigger he could help her.

Story 3.-- The king might be mad 'cause somebody stole the queen. The mouse crawls up on him and snitches at him and gets him all mad and runs back in the hole. And the king tries to rake him out with his cane. The king gets mad and goes to look for the queen, but he forgot his pipe and the mouse took the pipe for his hole. My daddy smokes a pipe and a cigar. The person that took the queen went back to the castle and made the horses run away and the king had to walk home. When the person saw him, he ran and got on his horse. He didn't get the queen back till next year.

Story 4.-- Maybe they're going on a picnic. The kangaroo in the pouch is saying, "Hooray!" They'll meet the father in a little while. The mother should hop higher because the bike might run over her legs. But if she hops higher, she might drop her food, but if she lets go of her hat and holds on, her hat will blow away. And if she hops higher, she might bust the little kangaroo's balloon. If she don't watch where she's going, she might go into the tree.

Story 5.-- Maybe they're hungry, so they wake up and try to get father and mother out of bed. If they climb out of bed

and baby came down and mother said, "Why didn't you get up when daddy did?" And the brother came and mother said the same thing to him.

Story 10. -- A mother and baby dog were in the bathroom. And the daddy came and sat on the commode and was using it. And the baby went to wash his hands and the mother lifted him on the sink. And mother took a bath and baby sat in the tub with her and they scrubbed each other. And when the daddy was through, he pulled his britches up and went out of the bathroom and put on his old britches. Then mother and baby got out of the tub, they dried themselves. The mother sat on the commode and done it and baby one but some powder on him and mother came out and got dressed.

Protocol 8

Story 1. -- They might be making for the mother to hurry up and eat some more. Then the mother gets some more and saves the rest for the next day or for supper and then they go to bed.

Story 2. -- This is easy! (Mother bear) He might be saying "Help," because there are two against one and they might pull so hard that the rope will fall and he'll fall down. They couldn't be the papa and baby, unless they were pulling her up. I don't think the baby's doing much help 'cause he isn't big enough to pull it. If the baby were bigger he could help her.

Story 3. -- The king might be mad 'cause somebody stole the queen. The mouse crawls up on him and snatches at him and gets his all mad and runs back in the hole. And the king tries to take him out with his name. The king gets mad and goes to look for the queen, but he forgets his pipe and the mouse took the pipe for his hole. My daddy smokes a pipe and a cigar. The person that took the queen went back to the castle and made the horses run away and the king had to walk home. When the person saw him, he ran and got on his horse. He didn't get the queen back till next year.

Story 4. -- Maybe they're going on a picnic. The kangaroo in the pouch is saying, "Hokey!" They'll meet the father in a little while. The mother should hop higher because the little might run over her legs. But if she hops higher, she might drop her food, but if she lets go of her hat and holds on, her hat will blow away. And if she hops higher, she might bust the little kangaroo's balloon. If she don't watch where she's going, she might go into the trees.

Story 5. -- Maybe they're hungry, so they wake up and try to get father and mother out of bed. If they climb out of bed

they'll fall out of bed and hurt themselves. If they climb on high bar they'll stretch the curtain and might fall and hurt themselves. They jump and hurt themselves and mother and father are still asleep. In the morning they wake up and find them and the little ones are just on their bars when they fell.

Story 6.-- I know why these two bears are sleeping there, 'cause if anyone comes in, they'll have to step on them and the bears will get mad and eat them up. If the person is small, the baby can climb on mother and daddy and the person can't get in. If the person runs away, they can run after him.

Story 7.-- The lion is hungry, so he's gonna jump the monkey. The monkey might be King Kong or Mighty Joe Young when he was small. The monkey might yap for his friends to hurt the lion, but if the monkey's friend found out, he would come and kill the lion just in time. If the monkey doesn't reach his branch in time, he might slip and hurt himself down the cliff.

Story 8.-- Little one is a dummy. The mother will play a water trick on these two with the dummy. When they look at the picture, water comes out of these eyes, nose and ears. They get mad and go home and never come back to that house again.

Story 9.-- Rabbit is mad. Doesn't like door open when in bed and tries to tell mother to close the door. The mother don't hear him. In the morning he likes it open. He gets up and eats breakfast. They had something for breakfast he didn't like. He was so mad that they made the carrots soft and he ate it.

Story 10.-- This dog's yappin 'cause he's hungry. He wants to get washed and mother is petting him. The mother gets him washed and they have to reach to the cupboard to get food and he wants to go out and play. Then he plays till night and has supper and goes to bed and the mother does too.

Protocol 9

Story 1.-- It's breakfast time. Mother is telling the chicks to hurry up so they won't be late for school.

Story 2.-- They are playing a game of tug of war. The little bear is helping the father pull the rope. The father will win the game.

Story 3.-- The lion is smoking a pipe. He's tired and he's resting. He's watching T.V.

Story 4.-- They are going away on a picnic. The boy brought his bike and he can play with it. The baby has a balloon.

they'll fall out of bed and hurt themselves. If they climb on high bar they'll stretch the curtain and might fall and hurt themselves. They jump and hurt themselves and mother and father are still asleep. In the morning they wake up and find them and the little ones are just on their backs when they fell.

Story 6.-- I know why these two bears are sleeping there. 'Cause if anyone comes in, they'll have to step on them and the bears will get mad and eat them up. If the person is small, the baby can climb on mother and daddy and the person can't get in. If the person runs away, they can run after him.

Story 7.-- The lion is hungry, so he's gonna jump the monkey. The monkey might be King Kong or Mighty Joe Young when he was small. The monkey might yell for his friends to hurt the lion, but if the monkey's friend found out, he would come and kill the lion just in time. If the monkey doesn't reach his branch in time, he might slip and hurt himself down the cliff.

Story 8.-- Little one is a dummy. The mother will play a water fight on these two with the dummy. When they look at the picture, water comes out of these eyes, nose and ears. They get mad and go home and never come back to that house again.

Story 9.-- Rabbit is mad. Doesn't like door open when in bed and tries to tell mother to close the door. The mother don't hear him. In the morning he finds it open. He gets up and eats breakfast. They had something for breakfast he didn't like. He was so mad that they made the carrots soft and he ate it.

Story 10.-- This dog's yapping 'cause he's hungry. He wants to get washed and mother is bathing him. The mother gets him washed and they have to reach to the cupboard to get food and he wants to go out and play. Then he plays till night and has supper and goes to bed and the mother does too.

Protocol 9

Story 1.-- It's breakfast time. Mother is telling the chicks to hurry up so they won't be late for school.

Story 2.-- They are playing a game of tug of war. The little bear is helping the father pull the rope. The father will win the game.

Story 3.-- The lion is smoking a pipe. He's tired and he's resting. He's watching T.V.

Story 4.-- They are going away on a picnic. The boy brought his bike and he can play with it. The baby has a balloon.

They're going to the park.

Story 5--- It's night time. The bears are asleep. They sleep in a baby crib.

Story 6--- The bears are in a cave. They are sleeping. The little bear is awake. He'll get up and get breakfast.

Story 7--- The tiger is going to eat up the little monkey. The monkey will climb the tree. He'll get away.

Story 8--- The big monkey is talking to the other big monkey is talking about the little monkey. The little monkey was bad. He made a racket and his mother got mad.

Story 9--- The rabbit is sick. He has the measles. He has to stay in bed. He don't like to stay in bed.

Story 10--- The mother is going to spank the puppy dog. He messed up the bathroom and got the towels all dirty.

Protocol 10

Story 1--- Three birds. They're eating....some kind of a rooster. When it's cold they fly south. The birds feel good 'cause they like to fly.

Story 2--- Two big bears and a little bear are pulling a rope. They're on a hill. A father bear and a mother bear and a baby bear. (mother and baby together) Maybe the rope will break 'cause the bears are so heavy. When the rope breaks they fall off the mountain and they get hurt.

Story 3--- A tiger is sitting in a chair with his cane and his pipe. And there's a wood behind the chair. He's bad 'cause he kills people. He's growling. There's a mouse coming out of the wood and pictures on the rug.

Story 4--- The little fox (girl) rides a bike and the mother fox and they got a baby box (boy) and they are going on a picnic in the woods. They feel good 'cause they're going on a picnic and the children like to play on the picnic. (I think they're kangaroos) The mother has a hat. They have a basket and the baby has has a balloon.

Story 5--- There's a baby teddy bear in the crib and there's a bed and a lamp and a window and a floor. He's laying on the pillow. He feels nice because he's in bed and because he's a teddy bear and he gets used to the bed and likes it.

They're going to the park.

Story 5.-- It's night time. The bears are asleep. They sleep in a baby crib.

Story 6.-- The bears are in a cave. They are sleeping. The little bear is awake. He'll get up and get breakfast.

Story 7.-- The tiger is going to eat up the little monkey. The monkey will climb the tree. He'll get away.

Story 8.-- The big monkey is talking to the other big monkey. The little monkey is talking about the little monkey. The little monkey was bad. He made a racket and his mother got mad.

Story 9.-- The rabbit is sick. He has the measles. He has to stay in bed. He doesn't like to stay in bed.

Story 10.-- The mother is going to spank the puppy dog. He messed up the bathroom and got the towels all dirty.

Protocol 10

Story 1.-- Three birds. They're eating....some kind of a rooster. When it's cold they fly south. The birds feel good 'cause they like to fly.

Story 2.-- Two big bears and a little bear are pulling a rope. They're on a hill. A father bear and a mother bear and a baby bear. (Mother and baby together) Maybe the rope will break 'cause the bears are so heavy. When the rope breaks they fall off the mountain and they get hurt.

Story 3.-- A tiger is sitting in a chair with his cane and his pipe. And there's a wolf behind the chair. He's bad 'cause he kills people. He's growling. There's a mouse coming out of the wood and pictures on the rug.

Story 4.-- The little fox (girl) rides a bike and the mother fox and they got a baby fox (boy) and they are going on a picnic in the woods. They feel good 'cause they're going on a picnic and the children like to play on the picnic. (I think they're kangaroos) The mother has a hat. They have a basket and the baby has a balloon.

Story 5.-- There's a baby teddy bear in the crib and there's a bed and a lamp and a window and a floor. He's laying on the pillow. He feels nice because he's in bed and because he's a teddy bear and he gets used to the bed and likes it.

Story 6.-- Two bears are in a tunnel. One is a baby and one is a mother. I can tell its a mother 'cause the father doesn't take the baby out, 'cause he has to go out and hunt food and the mother has to nurse the baby. They're laying down in the tunnel. They go away after a while and its dark and they go home and they feel fine because they went to the tunnel.

Story 7.-- There's a big leopard and he's after a monkey and there are trees. The leopard has teeth and there are weeds and rocks. The tiger gets the monkey and he eats him up, and its dark in this story, and there's dirt on the ground. He feels bad 'cause he ate up the monkey.

Story 8.-- Father monkey and a mother monkey and another mother monkey and a baby and a picture of the mother on the wall. They're having a party. There is a couch and a stool and the father and mother are sitting down and the baby is standing up. They play games and swing around on the trees with their tails.

Story 9.-- This is a bunny in the crib and it's dark in the house. There's the door, the floor, two rugs and a window and a lamp and two door knobs. The bunny is awake and the door opens and someone comes in. The father or the mother bunny comes in and tell the baby to go to sleep and the baby goes to sleep and the mother and father watch television.

Story 10.-- Two dogs in the bathroom. The father gives the baby a spanking. There's a toilet and a towel. Because he did something bad. The father puts the dog to bed. The baby feels bad 'cause he got the spanking.

Protocol 11

Story 1.-- Mother hen with all the chickens and they are eating. The oldest doesn't have a bib. This is a great big pot for the mother. The one with a bib is a boy. This is another boy. This is a girl. Two boys and a girl.

Story 2.-- This is a father bear and a baby bear against another father bear in a tug of war. They are on a great big cliff - can't get down. They try to get down and they get dead. The single bear is going to win.

Story 3.-- This is a tiger or a lion. He is Old King Cole. The mouse is coming out. The mouse is going to talk to him and he is going to make the tiger get mad. The tiger will eat the mouse.

Story 4.-- This is the mother kangaroo and the baby and there is another kangaroo in the pouch. This mother went to

Story 6.--- Two bears are in a tunnel. One is a baby and one is a mother. I can tell it's a mother because the father doesn't take the baby out, because he has to go out and hunt food and the mother has to nurse the baby. They're laying down in the tunnel. They go away after a while and the dam and they go home and they feel fine because they went to the tunnel.

Story 7.--- There's a big leopard and he's after a monkey and there are trees. The leopard has teeth and there are weeds and rocks. The tiger gets the monkey and he eats him up, and it's dark in this story, and there's dirt on the ground. He feels bad because he ate up the monkey.

Story 8.--- Father monkey and a mother monkey and another mother monkey and a baby and a picture of the mother on the wall. They're having a party. There is a couch and a stool and the father and mother are sitting down and the baby is standing up. They play games and swing around on the trees with their tails.

Story 9.--- This is a bunny in the crib and it's dark in the house. There's the door, the floor, the rug and a window and a lamp and two door knobs. The bunny is awake and the door opens and someone comes in. The father or the mother bunny comes in and tell the baby to go to sleep and the baby goes to sleep and the mother and father watch television.

Story 10.--- Two dogs in the bathroom. The father gives the baby a spanking. There's a toilet and a towel. Because he did something bad. The father puts the dog to bed. The baby feels bad because he got the spanking.

Protocol II

Story 1.--- Mother hen with all the chickens and they are eating. The oldest doesn't have a kid. This is a great big dog for the mother. The one with a kid is a boy. This is another boy. This is a girl. Two boys and a girl.

Story 2.--- This is a father bear and a baby bear against another father bear in a tug of war. They are on a great big cliff - can't get down. They try to get down and they get dead. The single bear is going to win.

Story 3.--- This is a tiger or a lion. He is Old King Cole. The mouse is coming out. The mouse is going to talk to him and he is going to make the tiger get mad. The tiger will eat the mouse.

Story 4.--- This is the mother kangaroo and the baby and there is another kangaroo in the pouch. This mother went to

buy some groceries. This is her house and it burned. That is why she is holding her head. She left the house and it caught on fire. The mother kangaroo bought a balloon for baby in pouch. The mother had kangaroo money. The baby had some toys inside--the one on the bike. He looks sad.

Story 5.-- These are two baby brothers in crib. The mother and the father (points to bed). It's night time--they're all sleeping except the one baby next to his brother. He has his eyes open. He is going to probably get out of the crib. High grass around the house and baby might get lost in the high grass. When the mother wakes up she is going to be very sad to see baby gone. If it ever gets out.

Story 6.-- This is in the winter time. The bears are sleeping in the cave. The cave might fall in. The baby might get killed 'cause the wolf might come in and kill the baby. I think I see a wolf (in the background). The babies' are open. The baby might run after the wolf. The wolf might kill the baby. The bears are on their winter sleep.

Story 7.-- This tiger is going to kill the baby. It's in the jungle. I think the monkey is going to climb the tree so the tiger won't kill him. If the tiger runs fast enough he will kill the monkey. I think the monkey might get away from the tiger. The tiger if it ever runs might hit his head on the tree and knock himself out.

Story 8.-- Laughs - - This is a silly one. This is out in the jungle and this is old grandma monkey (points to picture). Father is telling (center figure) baby to go to bed. (Refers to back figures) - Uncle and Aunt Monkey visiting. The aunt monkey is telling the uncle to go to bed. He has to get up early tomorrow to go to work.

Story 9.-- This baby rabbit is getting up early in the morning to give easter eggs. The door is wide open and he is thinking if he should go out or not, but he has to get easter eggs. He is thinking if the wolf might pull off his cotton tail again. He thinks the wolf might take off his ears at this time. The wolf is behind the door. I think he is going to jump on him and eat him up. I think the bunny is going to get his eggs and take off right out of that door so the wolf won't kill him.

Story 10.-- A dog and a baby dog. It's getting a spanking by the mother dog. They're red dogs. Baby dog did something bad. Probably it got into some white paint. Baby ran off crying.

Story 11.-- The monkeys, the baby, the mother, the uncle and the aunt. They are going to a party. They keep whispering.

buy some groceries. This is her house and it burned. That is why she is holding her head. She left the house and it caught on fire. The mother kangaroo bought a balloon for baby in pouch. The mother had kangaroo money. The baby had some toys inside--the one on the bike. He looks sad.

Story 11.--- These are two baby brothers in crib. The mother and the father (looking to bed it's night time--they're all sleeping except the one baby next to his brother. He has his eyes open. He is going to probably get out of the crib. Right across around the house and baby might get lost in the high grass. When the mother wakes up she is going to be very sad to see baby gone. It is ever gets out.

Story 12.--- This is in the winter time. The bears are sleeping in the cave. The cave might fall in. The baby might get killed 'cause the wolf might come in and kill the baby. I think I see a wolf (in the background). The babies are open. The baby might run after the wolf. The wolf might kill the baby. The bears are on their winter sleep.

Story 13.--- This tiger is going to kill the baby. It's in the jungle. I think the monkey is going to climb the tree so the tiger won't kill him. If the tiger runs fast enough he will kill the monkey. I think the monkey might get away from the tiger. The tiger if it ever runs might hit his head on the tree and knock himself out.

Story 14.--- Lenses - - This is a silly one. This is out in the jungle and this is old grandma monkey (points to picture). Father is telling (center figure) baby to go to bed. (Refers to back figures) - Uncle and Aunt Monkey visiting. The aunt monkey is telling the uncle to go to bed. He has to get up early tomorrow to go to work.

Story 15.--- This baby rabbit is getting up early in the morning to give easter eggs. The door is wide open and he is thinking if he should go out or not, but he has to get easter eggs. He is thinking if the wolf might pull off his cotton tail again. He thinks the wolf might take off his ears at this time. The wolf is behind the door. I think he is going to jump on him and eat him up. I think the bunny is going to get his eggs and take off right out of that door so the wolf won't kill him.

Story 16.--- A dog and a baby dog. It's getting a spanking by the mother dog. They're bad dogs. Baby dog did something bad. Probably it got into some white paint. Baby ran off crying.

Protocol 12

Story 1.-- The little chicks are eating soup for dinner. This soup is good. The mother hen said "Come on children; it's time for bed." They go and wash and go to bed.

Story 2.-- Mother, father, and baby are having a tug of war. Baby is helping father. Mother is by herself. Mother is losing. Father is winning. Baby is not very strong. Mother doesn't care if father and baby win.

Story 3.-- Father lion is sitting in a chair and he doesn't know what to eat. He doesn't have any food on the shelf. He has to go out to the market. He got his cane and he went. The mouse peeked out of his little hole. The lion was gone. The mouse came all the way out. He went up on the shelf and got the cheese. He ate it up. When the lion came back, he didn't have any cheese and he had to go back to market and get some.

Story 4.-- Mother kangaroo, baby kangaroo, and brother kangaroo are going to market. They got a loaf of bread and some milk and some cheese. The baby told a joke on the way home. They saw a Christmas tree and the Christmas tree was bare. The baby blew up a balloon and tied it. The mother almost stepped on it. She didn't mean to. The baby had to pull it up.

Story 5.-- The bedroom, a little bed, a crib, and a garage. They were sleeping in a garage. It was cold. They were sleeping - two little bears and the mother and father. The baby bear said, "It's morning time; let's get up and eat breakfast and go out and play. Mummy and daddy will think we're under our crib. When they look under, I won't be there. They'll look at the clock. We have been sleeping a long time."

Story 6.-- The mother bear and the father and the baby bear are sleeping in a hollow tree. They didn't know how people sleep. They had a dream about how people sleep and now they know. The baby bear said, "I've been up and I ate." The mother and father had an argument; let's stop. They stopped and they went to the store and bought out half the store.

Story 7.-- The mother lion and the baby gorilla. The mother lion is trying to catch the baby gorilla. She jumped from branch to branch. When the gorilla came down, he lion came out and he tried to catch the gorilla. The gorilla's mother, father, and brother came and caught the lion. The lion is dead. That's the end of the lion.

Story 8.-- The monkeys, the baby, the mother, the uncle and the aunt. They are going to a party. They keep whispering.

Protocol 12

Story 1.--- The little chicks are eating soup for dinner. This soup is good. The mother hen said "Come on children; it's time for bed." They go and wash and go to bed.

Story 2.--- Mother, father, and baby are having a tug of war. Baby is helping father. Mother is by herself. Mother is losing. Father is winning. Baby is not very strong. Mother doesn't care if father and baby win.

Story 3.--- Father lion is sitting in a chair and he doesn't know what to eat. He doesn't have any food on the shelf. He has to go out to the market. He got his camera and he went. The mouse peeked out of his little hole. The lion was gone. The mouse came all the way out. He went up on the shelf and got the cheese. He ate it up. When the lion came back, he didn't have any cheese and he had to go back to market and get some.

Story 4.--- Mother kangaroo, baby kangaroo, and brother kangaroo are going to market. They got a loaf of bread and some milk and some cheese. The baby told a joke on the way home. They saw a Christmas tree and the Christmas tree was bare. The baby blew up a balloon and tied it. The mother almost stepped on it. She didn't mean to. The baby had to pull it up.

Story 5.--- The bedroom, a little bed, a crib, and a garage. They were sleeping in a garage. It was cold. They were sleeping - two little bears and the mother and father. The baby bear said, "It's morning time; let's get up and eat breakfast and go out and play. Hurry and daddy will think we're under our crib. When they look under, I won't be there. They'll look at the clock. We have been sleeping a long time."

Story 6.--- The mother bear and the father and the baby bear are sleeping in a hollow tree. They didn't know how people sleep. They had a dream about how people sleep and now they know. The baby bear said, "I've been up and I ate." The mother and father had an argument; let's stop. They stopped and they went to the store and bought out half the store.

Story 7.--- The mother lion and the baby gorilla. The mother lion is trying to catch the baby gorilla. She jumped from branch to branch. When the gorilla came down, he lion came out and he tried to catch the gorilla. The gorilla's mother, father, and brother came and caught the lion. The lion is dead. That's the end of the lion.

Story 8.--- The monkeys, the baby, the mother, the uncle and the aunt. They are going to a party. They keep whispering.

They don't like the new house. They didn't drink their coffee. They didn't like it. It was tea - not coffee. The mother monkey told the baby to go to bed.

Story 9.-- The white rabbit lives alone in his own house. The door is open. It's snowing. "Jeepers Crow," I'll use my blanket out and make a tent. I'll have a snowball fight. Santa Claus will bring me something for Christmas.

Story 10.-- The baby dog wants to go to the bathroom and he won't say, "Please, I'm a bad boy." The mother spanked him hard and he went out to play and he caught a little rabbit and he ate it all up.

Protocol 13

Story 1.-- Those are little ducks. They're eating dinner. I don't know what that stuff is and they all have bowls and two have napkins. They feel happy. That's all.

Story 2.-- Three bears are having a tug of war game. One on one side and two on the other. They might play a trick. They might pull hard and let go and one might fall down. Those two might play the trick. Two big bears are man bears and the small bear is a boy. They feel happy because they're both being in a little game of tug of war against each other. The two bears win the tug of war. The other feels sad about the winning

Story 3.-- The tiger is sitting on the chair and there's a cane and he don't use it. And there's a mouse coming out of the hole and the tiger has a funny face on and there's funny designs on the floor. The tiger is thinking whether he should eat the little mouse or not and I think he will. The mouse feels sad.

Story 4.-- Well ah, one ah--I don't know what you call those animals. Baboons. The baboon baby is in the mother's pocket. The one on the bike is holding the mother's tail and their tails are long. They feel happy. They came home from the store and the mother baboon has a funny looking hat on. And that's all. The baby (in pocket), the other one, he don't feel good, had a headache, has a hole in his head and the other one feels good because he's riding on a bicycle. This one feels good because he's in his mother's pocket and he can look out and get in and that's all.

Story 5.-- Two little teddy bears are in the crib and a lamp by the bed and nobody's in the bed and there's three windows and scribble on the floor and the light isn't lighted up. The things on the side of the crib look like jail bars. The teddy bears feel sad 'cause they have to stay in the crib

They don't like the new house. They didn't drink their coffee. They didn't like it. It was tea - not coffee. The mother monkey told the baby to go to bed.

Story 9. -- The white rabbit lives alone in his own house. The door is open. It's snowing. "Jumpers Up!" I'll use my whisker out and make a tent. I'll have a snowball fight. Santa Claus will bring me something for Christmas.

Story 10. -- The baby dog wants to go to the bathroom and he won't say. Please, I'm a bad boy. The mother spanked him hard and he went out to play and he caught a little rabbit and he ate it all up.

Protocol 13

Story 1. -- Those are little ducks. They're eating dinner. I don't know what that stuff is and they all have bowls and two have napkins. They feel happy. That's all.

Story 2. -- Three bears are having a tug of war game. One on one side and two on the other. They might play a trick. They might pull hard and let go and one might fall down. Those two might play the trick. Two big bears are man bears and the small bear is a boy. They feel happy because they're both being in a little game of tug of war against each other. The two bears win the tug of war. The other feels sad about the winning.

Story 3. -- The tiger is sitting on the chair and there's a can and he don't use it. And there's a mouse coming out of the hole and the tiger has a funny face on and there's funny designs on the floor. The tiger is thinking whether he should eat the little mouse or not and I think he will. The mouse feels sad.

Story 4. -- Well all, one ah-I don't know what you call those animals. Baboon. The baboon baby is in the mother's pocket. The one on the side is holding the mother's tail and their tails are long. They feel happy. They came home from the store and the mother baboon has a funny looking hat on. And that's all. The baby (in pocket), the other one, he don't feel good, had a headache, has a hole in his head and the other one feels good because he's riding on a bicycle. This one feels good because he's in his mother's pocket and he can look out and get in and that's all.

Story 5. -- Two little teddy bears are in the crib and a lamp by the bed and nobody's in the bed and there's three windows and scribbles on the floor and the light isn't lit up. The things on the side of the crib look like jail bars. The teddy bears feel sad 'cause they have to stay in the crib

and they can't get out. They fall asleep.

Story 6.-- There's two bears in their house in the cave. One's big and one's little and the cave's dark. Some light. It's all black in there and all cold and a long ways in and a long ways out. They feel happy a little bit and they feel sad a little bit 'cause they're in; it is dark and cold cave. That's a baby bear and that's the mother bear (foreground) and that's the father bear. It's a little light way over there.

Story 7.-- There's a monkey up in a tree and a lion came and he was going to eat up the monkey. The lion has sharp teeth and sharp claws and lines all over them. And the trees look funny and there's water under them. All the branches almost reach the other trees. The lion feels happy because he's going to eat up the monkey and the monkey feels sad 'cause the lion is going to eat him and at the end I think the monkey's going to get eaten up by the lion. That's all.

Story 8.-- There's four monkeys here and there's a picture of a monkey and the monkey has funny looking glasses. The mother has funny flowers on her head and she's talking to the uncle monkey who is listening. This is the father monkey and he's talking with baby monkey and the mother monkey and the uncle monkey are trying to talk and the father is sitting on a hassock and the baby is sitting on nothing. The mother monkey is talking with the uncle and the father is falling asleep when talking to the baby. The baby feels half sad and half happy.

Story 9.-- Well, there's a little rabbit in bed and the door is open and the window's there and the doorknob's dark. Walls and pot black. Ceiling. He feels sad 'cause he has to stay in the dark and in bed. He falls asleep. I think he's thinking that he could get out of the dark room and out of bed and he stays in bed and he stays in the dark room.

Story 10.-- There's two little puppies, big and little. They're going in the bathroom. The little one wants to go first and the big one pushes the little one to get in first. The little one gets in first.

Protocol 14

Story 1.-- They just had a big breakfast---they're going to have another one. There's a father hen and three chickens. They're waiting for father and mother hen to feed them---chicken food, whatever the stuff is. Fruit for dessert, and pears. They're going out and play and then maybe watch television.

Story 2.-- The big bear is trying to tug with raccoon and little bear. Knots in the rope so they'll tumble over the

and they can't get out. They fall asleep.

Story 6.--- There's two bears in their house in the cave. One's big and one's little and the cave's dark. Some light. It's all black in there and all cold and a long way in and a long way out. They feel happy a little bit and they feel sad a little bit 'cause they're in; it is dark and cold cave. That's a baby bear and that's the mother bear (forepaw) and that's the father bear. It's a little light way over there.

Story 7.--- There's a monkey up in a tree and a lion came and he was going to eat up the monkey. The lion has sharp teeth and sharp claws and fangs all over them. And the tree look funny and there's water under them. All the branches almost reach the other trees. The lion feels happy because he's going to eat up the monkey and the monkey feels sad 'cause the lion is going to eat him and at the end I think the monkey's going to get eaten up by the lion. That's all.

Story 8.--- There's four monkeys here and there's a picture of a monkey and the monkey has funny looking glasses. The mother has funny flowers on her head and she's talking to the uncle monkey who is listening. This is the father monkey and the uncle he's talking with baby monkey and the mother monkey and the uncle monkey are trying to talk and the father is sitting on a hassock and the baby is sitting on nothing. The mother monkey is talking with the uncle and the father is falling asleep when talking to the baby. The baby feels half sad and half happy.

Story 9.--- Well, there's a little rabbit in bed and the door is open and the window's there and the door's dark. Well and got black. Ceiling. He feels sad 'cause he has to stay in the dark and in bed. He falls asleep. I think he's thinking that he could get out of the dark room and out of bed and he stays in bed and he stays in the dark room.

Story 10.--- There's two little puppies, big and little. They're going in the bathroom. The little one wants to go first and the big one makes the little one to get in first. The little one gets in first.

Protocol 14

Story 1.--- They just had a big breakfast---they're going to have another one. There's a father hen and three chickens. They're waiting for father and mother hen to feed them---chicken food, whatever the stuff is. First for dessert, and pears. They're going out and play and then maybe watch television.

Story 2.--- The big bear is trying to tug with racoon and little bear. Knots in the rope so they'll tumble over the

cliff. Little baby won't because he can move easily. They'll go tumbling off because of the knots, land on the cliff and go climbing up to the top again by roots. The little one is the mother's cub (left). They might fall again---the root would break. They might get killed or break an arm or a leg or neck or something. Rope might break and they can't get down. The rope might fall in a hole and they might have to climb down or live in a cave where there's plenty of food. They might climb up to the top and play games.

Story 3.-- This is king lion calling for his bowl of stew after his pipe. The mouse is going to get cheese from the crackers. The lion doesn't know about the mouse. The servant will get in the hole and the rat will bite him and bite him. The servant will need a cane to get around on like the lion. He is king of the jungle because he might move faster. He jumps on women and bites their necks and puts his paw in. The lion will eat coffee and have a pipe. The mouse will bite the lion and wake him up. Another mouse will come along and bite his tail. The lion doesn't know what hole he will be in.

Story 4.-- This baby kangaroo is grown up a little---rides his bike to the bus. Mother gets on the buss--the baby in the pouch with the balloon--nibbles food or sneaks money to buy food. They might forget about it and hop, hop. The baby will pop the balloon and frighten mother---tumble down---bang, bang. Baby in the pouch will fall out and tumble down. The pocketbook is lost in the tree--loses hat---makes the bus---left pocketbook in tree---doesn't have money---can't make the bus---next time hurries but no money---then made town but no list---next forgot number of store---goes home, there's a robber at the house. The eggs she lays were eaten by the fox---he likes kangaroo eggs. There's a pheasant in the back of the clock in a trap door nobody knows about. The fox and the pheasant get in a fight. She wins the fight and takes them to town to the glue maker and gets \$100.00.

Story 5.-- This is about the three squirrels---two baby ones. The father died--the mother takes care of them but has gone away. The fox out the window sneaked in back of the bed, under the crib and ate the squirrels up. The mother cut the fox open under the pine tree---he ate them whole. She sewed him up with rocks. He fell in the brook. He ate them again---same thing happened. He didn't come up this time because he fell too far under and drowned.

Story 6.-- This is the mother bear (near), and the baby bear got caught by someone in the cave. The mother followed---the man came back and caught him again. The mother ate him. A fierce elephant plunged down and couldn't get out---he suffocated and went to heaven. They're eating lots and lots of food in the cave---grapes, honey, lettuce, carrots---ate them---got bigger

cliff. Little baby won't because he can move easily. They'll
no tumbling off because of the holes. Land on the cliff and go
climbing up to the top again by roots. The little one is the
mother's cup (left). They might fall again--the root would
break. They might get killed or break an arm or a leg or neck
or something. They might break and they can't get down. The
root might fall in a hole and they might have to climb down or
live in a cave where there's plenty of food. They might climb
up to the top and play games.

Story 3.-- This is King Lion calling for his bowl of stew
after his wife. The mouse is going to get cheese from the
crackers. The lion doesn't know about the mouse. The servant
will get in the hole and the rat will bite him and bite him.
The servant will need a cane to get around on like the lion. He
is king of the jungle because he might move faster. He jumps
on women and bites their necks and puts his paw in. The lion
will eat coffee and have a pipe. The mouse will bite the lion
and wake him up. Another mouse will come along and bite his tail.
The lion doesn't know what hole he will be in.

Story 4.-- This baby kangaroo is grown up a little--rides
his bike to the bus. Mother gets on the bus--the baby in the
pouch with the balloon--giggles food or speaks money to buy food.
They might forget about it and not. The baby will pop the
balloon and frighten mother--tumble down--bang, bang. Baby in
the pouch will fall out and tumble down. The pocketbook is lost
in the tree--loses hat--makes the bus--left pocketbook in tree--
doesn't have money--can't make the bus--next time hurried but
no money--then made town but no list--next forgot number of
store--goes home, there's a robot at the house. The eggs she
lays were eaten by the fox--he likes kangaroo eggs. There's a
phantom in the back of the clock in a tree door nobody knows
about. The fox and the phantom get in a fight. She wins the
fight and takes them to town to the fine market and gets \$100.00.

Story 5.-- This is about the three squirrels--two baby ones.
The father died--the mother takes care of them but has gone away.
The fox out the window sneaked in back of the bed, under the crib
and ate the squirrels up. The mother cut the fox open under the
pine tree--he ate them whole. She sewed him up with rocks.
He fell in the brook. He ate them again--same thing happened.
He didn't come up this time because he fell too far under and
drowned.

Story 6.-- This is the mother bear (near), and the baby
bear got caught by someone in the cave. The mother followed--
the man came back and caught him again. The mother ate him. A
fierce elephant plunged down and couldn't get out--he suffocated
and went to heaven. They're eating lots and lots of food in the
cave--grapes, honey, lettuce, carrots--ate them--got bigger.

than elephants. They became not a ghost anymore---felt bigger than elephant--Dug big cave---had nice nap after a big dinner. The king elephant is bigger than them. They ran ran home---blowed everybody up like balloons. They bounced and got ate up by natives. Feels so big that they even ate rubber. They came after the man this time. There were cannons and guns which popped and popped. The chief didn't eat rubber so didn't pop but died of a spear. The mother and baby sealed the cave---and had a nice nice long long sleep.

Story 7.--- The lion is going after the man. The monkey grabbed up and got up the tree faster than the lion. His brother came along and the lion ate him up. In the lion's stomach (hole) he wanted more meal but didn't get a meal. The elephant ate him up. The black panther thought it was a statue. He jumped in and got locked in. The man fired at the elephant. The elephant got up---he's made of rubber---the push button made him do it. The monkey's brother was up again and that was the end of the monkey's brother.

Story 8.--- This is a family of these native monkeys. It's a spooky house---there's a trap door underground. Everything moves by push button control in the kitchen. No one dared to go in but the monkeys. They pushed buttons and everybody died. Everyone going in the house got killed. The spooks of the monkeys killed him. They became visible again. No one knew about them. The hatch was closed. They chopped it open and killed the wicked monkey. The wicked grandmother got out of the wall. There were monkeys that no one knew about. The natives locked the monkey up---in the deep deep water. The monkeys got out but they made trees and ate everywhere they wanted. Mother ---who was a real lady---saw the coffee cup the wicked monkey's sister ate out of. If anyone touched it, they turned into sister or mother or brother or whoever it was. The real grandmother popped out and killed everybody who was impersonating them. Everyone was killed who touched the picture.

Story 9.--- About Peter Rabbit. He got caught in Farmer MacGregor's yard. He got caught at the gate and almost got caught again. His mother told him not to do it again. She punished him by making him stay in bed. He went out again. He ate fudgicles and popsicles in his room---and read comics about Superman and Popeye. He didn't read the one about Farmer MacGregor. He read it one day and saw Farmer MacGregor drown. He didn't read it any more. He got more books about Popeye and read them.

Story 10.--- This is the mother of the dog. She wants him to go to the bathroom. She's petting him. He wants to go but she's spanking him. He's saying "OW, OW." His father made a little house for him, towels and everything. Not just any

than elephants. They became not a ghost anymore---felt bigger than elephant---but his cave---had nice gap after a big dinner. The king elephant is bigger than them. They ran home---blowed everybody up like balloons. They bounced and got ate up by natives. Feels so big that they even ate rubber. They came after the man this time. There were cannons and guns which roared and popped. The chief didn't eat rubber so didn't pop but died of a heart. The mother and baby sealed the cave---and had a nice long sleep.

Story 7.---The lion is going after the man. The monkey grabbed up and got up the tree faster than the lion. His brother or came along and the lion ate him up. In the lion's stomach (hole) he wanted more meat but didn't get a meal. The elephant ate him up. The black panther thought it was a statue. He jumped in and got locked in. The tree tipped at the elephant. The elephant got up---he's made of rubber---the tree button made him do it. The monkey's brother was up again and that was the end of the monkey's brother.

Story 8.---This is a family of these native monkeys. It's a spooky house---there's a trap door underground. Everything moves by push button control in the kitchen. No one dared to go in but the monkeys. They pushed buttons and everybody died. Everyone going in the house got killed. The snakes of the monkeys killed him. They became visible again. No one knew about them. The hatch was closed. They chopped it open and killed the wicked monkey. The wicked grandmother got out of the wall. There were monkeys that no one knew about. The natives looked the monkey up---in the deep deep water. The monkeys got out but they made traps and ate everywhere they wanted. Mother---who was a real lady---saw the coffee cup the wicked monkey's sister ate out of. If anyone touched it, they turned into slater or mother or brother or whoever it was. The real grandmother poured out and killed everybody who was interesting then. Everyone was killed who touched the picture.

Story 9.---About Peter Rabbit. He got caught in Farmer MacGregor's yard. He got caught at the gate and almost got caught again. His mother told him not to do it again. She punished him by making him stay in bed. He went out again. He ate rutabagas and popples in his room---and read comics about Superman and Popeye. He didn't read the one about Farmer MacGregor. He read it one day and saw Farmer MacGregor brown. He didn't read it any more. He got more books about Popeye and read them.

Story 10.---This is the mother of the dog. She wants him to go to the bathroom. She's getting him. He wants to go but she's speaking him. He's saying "OW, OW." His father made a little house for him, towels and everything. Not just any

house for them. They were homely---like a home. They trained dogs. They leave hairs around so they need a special house. There were lots of bones but no meat on them. A big bone for mother and a little bone for baby. When the baby dog is big he can eat bones as big as the mother can. The mother went to market. The baby locked the mother on the roof. She jumped out on the roof of a car of the man who built the house for father. The baby got spanked for the joke he played.

Protocol 15

Story 1-- Three little birds and the mother here is feeding the little chicks. She has food in front of them.

Story 2-- Three bears. A father bear and mother and baby having tug of war to see who can win. Looks like the father will win.

Story 3-- The father lion and mouse in a hole. The father is thinking of who he can eat up. The father lion eats up the mouse and then he thinks who else he can eat for dinner.

Story 4-- Mother kangaroo and two baby kangaroos, one's a boy and one is a baby. They are going home to eat. They went to the grocery store to get some groceries. They feel good 'cause they got something to eat.

Story 5-- I can't figure this out. This is a dark house. A lamp, bed, two teddy bears sleeping in the crib. The mother and father went out. (They can't be in the bed 'cause you can't see their faces---don't write that.)

Story 6-- It's a mother bear and father bear sleeping and the baby bear's awake. The baby bear wants to grow up to be a big bear 'cause he don't like to be small and do little things.

Story 7-- Tiger and little monkey. The tiger wants something to eat. He almost got the monkey, but the monkey climbed a tree and the tiger ran up another tree and the monkey jumped to another tree. The tiger ran down and fell and he must've been dead.

Story 8-- This is a good one! (laught) Mother gorilla and father gorilla and another mother gorilla and a baby gorilla. The mother is talking to the little baby, saying, "Be good, 'cause they're having coffee and I don't want you to spill coffee like the last time." The other mother said to the father, "The mother is talking to the little baby. I wonder what she is saying?" The father said, "I don't know."

144

house for them. They were honestly--like a house. They trained dogs. They leave hairs around so they need a special house. There were lots of bones but no meat on them. A big bone for mother and a little bone for baby. When the baby dog is big he can eat bones as big as the mother can. The mother went to market. The baby looked the mother on the roof. She jumped out on the roof of a car of the man who built the house for father. The baby got spanked for the joke he played.

Protocol 13

Story 14--Three little birds and the mother here is feeding the little chicks. She has food in front of them.

Story 15--Three bears. A father bear and mother and baby having fun of war to see who can win. Looks like the father will win.

Story 16--The father lion and mouse in a hole. The father is thinking of who he can eat up. The father lion eats up the mouse and then he thinks who else he can eat for dinner.

Story 17--Mother kangaroo and two baby kangaroos, one's a boy and one is a baby. They are going home to eat. They went to the grocery store to get some groceries. They feel good 'cause they got something to eat.

Story 18--I can't figure this out. This is a dark house. A lamp, but two teddy bears sleeping in the crib. The mother and father went out. (They can't be in the bed 'cause you can't see their faces--don't write that.)

Story 19--It's a mother bear and father bear sleeping and the baby bear's awake. The baby bear wants to grow up to be a big bear 'cause he don't like to be small and do little things.

Story 20--Tiger and little monkey. The tiger wants something to eat. He almost got the monkey, but the monkey climbed a tree and the tiger ran up another tree and the monkey jumped to another tree. The tiger ran down and fell and he must've hurt his head.

Story 21--This is a good one! (Lament) Mother gorilla and father gorilla and another mother gorilla and a baby gorilla. The mother is talking to the little baby, saying, "Be good, 'cause there's having coffee and I don't want you to spill coffee like the last time." The other mother said to the father, "The mother is talking to the little baby. I wonder what she is saying." The father said, "I don't know."

Story 9.-- Little baby rabbit sitting in crib awake. The door is open. He can't find mother or father. The door is open so he thought they went out. So he said, "So what. So they went out. I'll go back to sleep and they'll come back." (Can I please keep this last story home?)

Story 10.-- Oh boy, what a good one! The father cocker spaniel and he spanking the little baby. "Why am I spanking him? What did he do wrong?" said the father. "I didn't do anything wrong. I jushed flushed the toilet and it went over. How did I know what was in it?" So the father said, "I'm sorry."

Protocol 16

Story 1.-- Three chicks are eating--two brothers and one sister. Mother hen is watching them so they won't run away. She doesn't want them to waste food. They eat it up and go out and play.

Story 2.-- Three bears are trying to pull the rope away from each other. If the daddy gets the rope, the mother and baby will fall. I think, the mother and baby will get the rope and the father will fall. He'll try to get the rope away from the mother and baby again. He'll be mad. He'll pull hard the next time and get it.

Story 3.-- The lion is sitting in the king's chair smoking a pipe. When he get up he'll take his cane and walk around like an old man. The mouse will get afraid and run back.

Story 4.-- The three animals are running. The other animal is riding the bike. The mother kangaroo is carrying the baby kangaroo. The baby is holding a balloon. The father is riding the bike. They are going on a picnic and have fun.

Story 5.-- The toy bears are asleep. When the baby goes to sleep at night, she'll feel the bears in her bed. She'll tell her mother. Her mother will take the boy bears out and the baby will go to bed and go to sleep.

Story 6.-- The mother and father are sleeping in a nice cave. The baby bear is beside them. When they wake up the mother and father will play with the baby bear.

Story 7.-- The lion is chasing the monkey. The lion won't get the monkey. The monkey will climb the tree and stay there until the lion goes away.

Story 9.-- Little baby rabbit sitting in crib awake. The door is open. He can't find mother or father. The door is open so he thought they went out. So he said, "So what. So they went out. I'll go back to sleep and they'll come back." (Can I please keep this last story home?)

Story 10.-- Oh boy, what a good one! The father cooker spaghetti and he spanking the little baby. "Why am I spanking him? What did he do wrong?" said the father. "I didn't do anything wrong. I flushed the toilet and it went over." "How did I know what was in it?" So the father said, "I'm sorry."

Protocol 16

Story 11.-- Three chicks are eating--two brothers and one sister. Mother hen is watching them so they won't run away. She doesn't want them to waste food. They eat it up and go out and play.

Story 12.-- Three bears are trying to pull the rope away from each other. If the baby gets the rope, the mother and baby will fall. I think the mother and baby will get the rope and the father will fall. He'll try to get the rope away from the mother and baby again. He'll be mad. He'll pull hard the next time and get it.

Story 13.-- The lion is sitting in the king's chair smoking a pipe. When he gets up he'll take his cane and walk around like an old man. The mouse will get afraid and run back.

Story 14.-- The three animals are running. The other animal is riding the bike. The mother kangaroo is carrying the baby kangaroo. The baby is holding a balloon. The father is riding the bike. They are going on a picnic and have fun.

Story 15.-- The toy bears are asleep. When the baby goes to sleep at night, she'll feel the bears in her bed. She'll tell her mother. Her mother will take the toy bears out and the baby will go to bed and go to sleep.

Story 16.-- The mother and father are sleeping in a nice cave. The baby bear is beside them. When they wake up the mother and father will play with the baby bear.

Story 17.-- The lion is chasing the monkey. The lion won't get the monkey. The monkey will climb the tree and stay there until the lion goes away.

Story 8.-- Two friends invited two other friends to come to their house. The friends are telling secrets. They are saying "We'll sneak out of the house on them." The two other friends are telling secrets. They are saying, "We'll lock the door on them and the two friends can't get out."

Story 9.-- The rabbit is sleeping in his bed. When his mother comes in she'll see him sleeping. Then when he wakes up, he'll dress up warm and go out and play.

Story 10.-- The mother dog is washing the puppy. The puppy is anxious to go out and play. The mother will chase the puppy to bring him back and finish washing him. The mother dog will put him to bed because he was a bad dog.

Protocol 17

Story 1.-- Chicken in back. I don't know anything about chickens. Chicken is watching them. (Clinician)---What do you think the little children are doing? Eating. That's all.

Story 2.-- Baby and the other is pulling the rope away from the other one. This one (points to the single bear) is trying to pull it away from them. (Clinician) Who is going to win? (Shakes head, doesn't know) These two are going to win.

Story 3.-- Tiger is sitting in the chair with pipe in his hand. There's a cane against his chair. A mouse is peeking out. He's sitting watching something. (Clinician) What do you think he is watching? I don't know.

Story 4.-- Baby kangaroo is walking and the other one is riding a bike. The big one has on a hat and has a bag. They're going on a picnic.

Story 5.-- House with big bed and little bed with little bear. There's a window. They're all sleeping. (Clinician) Who is they? I don't know who they are.

Story 6.-- Bears are in a cave under a tree--rocks near it. Branches are hanging out. They're sleeping. (no response after that.)

Story 7.-- Lion is after the monkey. The monkey is climbing up the tree. The lion is on a rock, his front paw is down, his back paw is up. (Clinician) Do you think he will catch the monkey? No, the monkey will get away.

Story 8.-- Monkey is sitting down. Other monkeys are sitting down on a couch drinking coffee. The other one is the

little monkey. One has glasses on. They're talking. They're whispering. (two on couch) What do you think they are whispering about? (Clinician) Don't know.

Story 9--- Bunny sleeping in the bed. There is a door, light, stairs, door handle. He's looking out, and he'll go to sleep after he looks out.

Story 10--- Dog is hitting other one in the bathroom on a chair. I think little one has been bad. (Clinician) Why has he been bad? Don't know.

Protocol 18

Story 1--- They're little chicks and one of them is trying to get some of that cereal there. The others are trying to eat them too. There's big chick there too. The mother chick. They feel good 'cause the mother's going away and coming back so they're setting the table up for her.

Story 2--- Two bears. One bear is pulling the rope from the other two. I don't know if they're on the snow or not. One bear is mad and the other two are happy and they're on a hill. The father is mad and the baby and mother are happy 'cause they want the rope instead of the father and he wants it too. The mother wants it so the baby could play with it.

Story 3--- (Laught) Is this a tiger or a lion? The lion is in a king's chair. He has a cane and a mouse is peeking out of the hole to see what he is doing. The lion is mad 'cause he wants to catch the mouse. The mouse got a trap and the lion steps in it and falls. The mouse eats the lion all up.

Story 4--- The kangaroos were going for a picnic. One riding on a bike, one in a pocket with a balloon. They're going to have a picnic under the tree. They're riding a bike on the snow. The mother has a basket. It's gonna snow and they'll have to go home and they'll be mad 'cause they want to go for a picnic and it snowed.

Story 5--- The bears in the bed and the mother under the blanket trying to see what the baby bear is doing. The baby bear is throwing the pillow around and doing tumble-saults and the mother and father are sleeping and it's snowing out. The baby wants his bottle maybe.

Story 6--- Bears! Bears! Bears! The mother and father are in the house sleeping. The baby wakes up and crawls over to the mother to get her bottle. The mother wakes up and wants the baby to go to sleep.

little monkey. One has glasses on. They're talking. They're
whispering. (Two on couch) What do you think they are whisper-
ing about? (Clinician) Don't know.

Story 9.---Benny sleeping in the bed. There is a door,
light, stairs, door handle. He's looking out, and he'll go to
sleep after he looks out.

Story 10.---Dog is hitting other one in the bathroom on a
chair. I think little one has been bad. (Clinician) Why has
he been bad? Don't know.

Protocol 18

Story 1.---They're little chicks and one of them is trying
to get some of that cereal there. The others are trying to eat
them too. There's a big chick there too. The mother chick.
They feel good 'cause the mother's going away and coming back
so they're setting the table up for her.

Story 2.---Two bears. One bear is pulling the rope from
the other two. I don't know if they're on the snow or not. One
bear is mad and the other two are happy and they're on a hill.
The father is mad and the baby and mother are happy 'cause they
want the rope instead of the father and he wants it too. The
mother wants it so the baby could play with it.

Story 3.---(Laughter) Is this a tiger or a lion? The lion
is in a king's chair. He has a cane and a mouse is peeking out
of the hole to see what he is doing. The lion is mad 'cause he
wants to catch the mouse. The mouse got a trap and the lion
steps in it and falls. The mouse eats the lion all up.

Story 4.---The kangaroos were going for a picnic. One
riding on a bike, one in a pocket with a balloon. They're go-
ing to have a picnic under the tree. They're riding a bike on
the snow. The mother has a basket. It's gonna snow and they'll
have to go home and they'll be mad 'cause they want to go for
a picnic and it snowed.

Story 5.---The bears in the bed and the mother under the
blanket trying to see what the baby bear is doing. The baby
bear is throwing the pillow around and doing tumble-squats and
the mother and father are sleeping and it's snowing out. The
baby wants his bottle maybe.

Story 6.---Bears! Bears! Bears! The mother and father
are in the house sleeping. The baby wakes up and crawls over
to the mother to get her bottle. The mother wakes up and wants
the baby to go to sleep.

Story 7.-- A tiger is after a little tiny monkey. The monkey goes up a tree 'cause the tiger is after him. The monkey is scared 'cause he thinks the tiger will eat him up. The tiger doesn't eat the monkey 'cause the monkey climbs up a high, high, tree.

Story 8.-- The father monkey and the mother monkey are drinking coffee on a couch. The mother tells the father and she doesn't want the baby to hear. She wants him to go out to play. The other monkey is hitting the baby 'cause she wants him to go out too. He doesn't want to go out 'cause he wants to hear the secret.

Story 9.-- The baby rabbit is sleeping in a crib. The door is open and she's afraid that a bear or a lion or a tiger will come and eat her up and the mother is ashleep and the baby is afraid that the lion will come in. The lion closes the door and he dies 'cause the little thing set a trap.

Story 10.-- The mother is hitting the baby dog 'cause she wants him to go outside. The mother wants him to go outside 'cause she's gonna have a bath. She doesn't want him to see her have a bath. He wants to stay and watch the bath. He doesn't want to go outside and play with the other dog, 'cause the other dog is bigger than him and always hits him and doesn't want him to play with him. So he'll go out and play with a different dog who lives about half a mile away from him.

Protocol 19

Story 1.-- Three little bears. The soup's too hot. This is a rooster.

Story 2.-- Three little bears and they are pulling the rope. They're having a game with a rope. I think they're having lots of fun with it. I don't know. The little bear is helping the big bear pull. It's a tight rope game and sometimes when they get tired they fall. The other guy is the winner--the one that doesn't fall. I don't know who the winner is.

Story 3.-- That old man is smoking a pipe and he has a pipe in his hand and he is sitting in a chair and he has a tail on him. When he stands he'd have to hold that (points to cane). This is a rug. The color of the chair is black. He is thinking of something--thinking of medicine to get better. That is a little mouse. I think he is looking at the man. The man has fur on his head.

Story 4.-- I think this is a little rabbit (extreme left). Mother reindeer. The little animal is riding a bike. There is

Story 1. -- A little girl is sitting on the floor, playing with her dolls. She is very happy and content. She is playing with her dolls for hours. She is playing with her dolls for hours. She is playing with her dolls for hours.

Story 2. -- A little girl is sitting on the floor, playing with her dolls. She is very happy and content. She is playing with her dolls for hours. She is playing with her dolls for hours. She is playing with her dolls for hours.

Story 3. -- A little girl is sitting on the floor, playing with her dolls. She is very happy and content. She is playing with her dolls for hours. She is playing with her dolls for hours. She is playing with her dolls for hours.

Story 4. -- A little girl is sitting on the floor, playing with her dolls. She is very happy and content. She is playing with her dolls for hours. She is playing with her dolls for hours. She is playing with her dolls for hours.

Notes

Story 5. -- A little girl is sitting on the floor, playing with her dolls. She is very happy and content. She is playing with her dolls for hours. She is playing with her dolls for hours. She is playing with her dolls for hours.

Story 6. -- A little girl is sitting on the floor, playing with her dolls. She is very happy and content. She is playing with her dolls for hours. She is playing with her dolls for hours. She is playing with her dolls for hours.

Story 7. -- A little girl is sitting on the floor, playing with her dolls. She is very happy and content. She is playing with her dolls for hours. She is playing with her dolls for hours. She is playing with her dolls for hours.

Story 8. -- A little girl is sitting on the floor, playing with her dolls. She is very happy and content. She is playing with her dolls for hours. She is playing with her dolls for hours. She is playing with her dolls for hours.

a hat with flowers. There is a tree--a Christmas tree I think--there is grass. There is something in that basket. They must be going on a picnic. I see milk in there. Both of them have a tail. The balloon might break on the picnic.

Story 5.-- There is a crib there and somebody is in there and there is a bed and I think somebody is asleep. There's a lamp and curtains. I think that is a cat or a baby. There is a side on the crib so the baby won't fall and hurt himself. Black stuff on top of windows. Wood on the side of the bed and on the crib. There are trees outside the house. I think the baby is crying because somebody waked her up. Outside there are trees and a nice place to hide and you could pick blueberries and have lots of fun on a picnic out there.

Story 6.-- There is three little bears out in the woods and they're looking for something. They are at a place where they could stay when it rains. There are branches at the top. They're laying down sniffing at something. They are sniffing at something they like or they don't like. If they don't like it they will go someplace else. There are some rocks there too. I can't think of anything else.

Story 7.-- That lion's after the monkey and the lion is trying to get the monkey 'cause the lion don't like the monkey and the monkey is trying to get away but I don't know if he can run or not. The monkey is trying to reach the branches so he can get up before the lion catches him. More leaves down here. (points to leaves) I think the monkey will get away. The lion has big feet and stripes on him and on the tail too. The monkey could reach, go around the branches and the monkey could have the tiger's tail and the tiger would be stuck. The lion has big sharp teeth. Four big teeth and the rest little teeth.

Story 8.-- There are a lot of monkeys. There are four and I think they're all having a cup of tea and they are sitting on a couch. One is sitting on a stool. There is a picture up on the wall. This big monkey is telling the little monkey to behave. Not to be naughty and he is pointing a finger at him. The monkeys have big feet and hands and they have ears. One is telling a secret to the other one (points to rear seated figures) This one (left) is shaking his tail at that one (one seated next to him, rear figures) because he don't want to hear a secret I guess. A picture of a man at the wall. He has glasses on.

Story 9.-- A little baby is sleeping in the crib. The crib is broke a little bit. The door is open. There is a mirror in there and the lights are off--it's dark--the windows are closed. I think the little baby wants to come out to the kitchen because she is not tired. The little baby has big ears and she has little arms and she has a pillow. The baby will go out in

a hat with flowers. There is a tree--a Christmas tree I think--there is grass. There is something in that basket. They must be going on a picnic. I see milk in there. Both of them have a tail. The balloon might break on the picnic.

Story 3.-- There is a crib there and somebody is in there and there is a bed and I think somebody is asleep. There's a lamp and curtains. I think that is a cat or a baby. There is a stick on the crib so the baby won't fall and hurt himself. Black stuff on top of windows. Wood on the side of the bed and on the crib. There are trees outside the house. I think the baby is crying because somebody wanted her up. Outside there are trees and a nice place to hide and you could pick blueberries and have lots of fun on a picnic out there.

Story 4.-- There is three little bears out in the woods and they're looking for something. They are at a place where they could stay when it rains. There are branches at the top. They're having down something at something. They are eating at something they like or they don't like. If they don't like it they will go somewhere else. There are some rocks there too. I can't think of anything else.

Story 5.-- That lion's after the monkey and the lion is trying to get the monkey because the lion don't like the monkey and the monkey is trying to get away but I don't know if he can run or not. The monkey is trying to reach the branches so he can get up before the lion catches him. More leaves down here. (points to leaves) I think the monkey will get away. The lion has his feet and stripes on him and on the tail too. The monkey could reach, go around the branches and the monkey could have the tiger's tail and the tiger would be stuck. The lion has big sharp teeth. Four big teeth and the rest little teeth.

Story 6.-- There are a lot of monkeys. There are four and I think they're all having a cup of tea and they are sitting on a couch. One is sitting on a stool. There is a picture up on the wall. This big monkey is calling the little monkey to behave. Not to be naughty and he is pointing a finger at him. The monkeys have big feet and hands and they have ears. One is telling a secret to the other one (points to rear seated figures) This one (left) is shaking his tail at that one (one seated next to him, rear figures) because he don't want to hear a secret I guess. A picture of a man at the wall. He has glasses on.

Story 7.-- A little baby is sleeping in the crib. The crib is broke a little bit. The door is open. There is a mirror in there and the lights are off--the baby--the windows are closed. I think the little baby wants to come out to the kitchen because she is not tired. The little baby has big ears and she has little arms and she has a pillow. The baby will go out in

the kitchen and the mother will say "Why did you come out?" The baby will say, "Because I wasn't tired." The mother will fix the bed and the baby will play in the kitchen.

Story 10.-- These two dogs. The big one is sitting. The little one just came from the bathroom. They are going out to play and then are coming back to have supper. After they go to bed and then big dog stays up. Then they both go to sleep. At the morning they wake up and have breakfast and go out. The big dog has her arm around the little dog.

Protocol 20

Story 1.-- There's a big hen and three little hens. They all say, "Cook-a-doodle-do!" And mother says it better. When they get all ready to eat, they take it out themselves and put it in their own dish. (you can't see the mother very good.) There is pudding in the bowl. (I wonder how they can hold the spoon 'cause they got wings.) The chairs hitch on to the table and they feel pretty good when they get done eating and mother says, "Cock-a-doodle-do!" loud.

Story 2.-- Oh boy! That girl bear is trying to pull the father bear and the little one is trying to pull the girl. There's a knot on the end of the rope. Ground is gray. The little bear is gonna fall down off the rocks. The girl one falls off the rocks ('cause he's bending). When the baby falls, the rope is gonna cut. When the girls falls the knot cuts off and there'll only be one left. Only the father is left.

Story 3.-- Oh boy! This tiger's sitting in a chair. He's a big king tiger and he's got a cane and there's a mouse. There are flowers on the floor. He's got lots of hair. (I wouldn't want so much hair, 'cause I'd have to go to the barbers to cut it off) He's holding a pipe and he has real big eyes and a long tail down to the floor. When a man comes in he starts to growl. When he sees the mouse, he sticks his hand in the log in back of the chair. The mouse starts to bite off the hand, so he growls and growls and when the mouse stops biting, he takes his hand out and it's full of holes.

Story 4.-- Oh boy! Oak trees and a house. The whole thing is a forest. And here comes the lady jack-rabbit with a baby in her pouch and another baby on a bike. She has milk in her basket. And they're riding along down the hill and they're gonna fall, 'cause they're not looking. The bike gets crashed up. The mother drops the milk and the pocketbook opens and the money falls out and they break their necks 'cause they fell down the hill when they weren't looking.

the kitchen and the mother will say "Why did you come out?" The baby will say, "Because I wasn't tired." The mother will fix the bed and the baby will play in the kitchen.

Story 10. -- These two dogs. The big one is sitting. The little one just came from the bathroom. They are going out to play and then are coming back to have supper. After they go to bed and then the dog stays up. Then they both go to sleep. At the morning they wake up and have breakfast and go out. The big dog has her eye around the little dog.

Protocol 20

Story 1. -- There's a big hen and three little hens. They all say, "Cock-a-doodle-do!" The mother says it better. When they get all ready to eat, they take it out themselves and put it in their own dish. (You can't see the mother very good.) There is nudging in the bowl. (I wonder how they can hold the spoon 'cause they got wings.) The chairs hitch on to the table and they feel pretty good when they get done eating and mother says, "Cock-a-doodle-do!" loud.

Story 2. -- Oh boy! That girl bear is trying to pull the father bear and the little one is trying to pull the girl. There's a knot on the end of the rope. Ground is gray. The little bear is gonna fall down off the rocks. The girl one falls off the rocks ('cause he's bending). When the baby falls the rope is gonna cut. Then the girl falls the knot cuts off and there'll only be one left. Only the father is left.

Story 3. -- Oh boy! This tiger's sitting in a chair. He's a big king tiger and he's got a cane and there's a mouse. There are flowers on the floor. He's got lots of hair. (I wouldn't want so much hair, 'cause I'd have to go to the barbers to cut it off.) He's holding a pipe and he has real big eyes and a long tail down to the floor. Then a man comes in he starts to growl. When he sees the mouse, he sticks his hand in the log in back of the chair. The mouse starts to bite off the hand, so he growls and growls and when the mouse stops biting, he takes his hand out and it's full of holes.

Story 4. -- Oh boy! Oak trees and a house. The whole thing is a forest. And here comes the lady Jack-rabbit with a baby in her pouch and another baby on a pike. She has milk in her basket. And they're riding along down the hill and they're gonna fall, 'cause they're not looking. The pike gets crashed up. The mother drops the milk and the pocketbook opens and the money falls out and they break their necks 'cause they fell down the hill when they weren't looking.

Story 5.--- A bed and a crib with two little cats. Father and mother are in the big bed. There's a design there and three windows. A big goblin comes in sneaking and picks up the two cats and the crib and leaves mother and daddy there. But he takes the covers off mother and daddy and dashes out the window. He takes light and unplugs it and cuts wire and brings lamp with him too, so mother and daddy can't see. When they go downstairs to see if babies are there, they'll break their neck, 'cause they can't see. They keep their money in a safe. Goblin comes and takes the money and makes a big hole in the floor and takes the big bed down.

Story 6.--- Some leaves. Baby sleeps on them and the father's sleeping in a net. The net's covered with brown. The father gets up and wakes up baby, who says, "Why'd you wake you up?" Then the father went to sleep again because the baby was sleeping. When the baby gets up, he creeps and gets behind the net and gets underneath the father and keeps punching him and punching him. And baby gets up and keeps punching the father's mouth. The baby goes to sleep again and father gets up and his mouth drips down with blood. The baby doesn't feel good either, 'Cause he's all out of breath.

Story 7.--- A little monkey there and a big tiger. There are leaves and a big tree that the monkey's haning on. And some rope there. When the monkey falls down underneath the rocks, his head gets all crushed. The tiger has big teeth. There are all rocks and a tree and the sky is blue. When the tiger falls, he growls. He walks around the rocks. He sees a big net and it's a trap and he walks in it. Somebody comes and closes the net and they caught the tiger.

Story 8.--- There's a picture of a lady monkey. There's the baby monkey and the father monkey and the mother monkey, and the lady who lives next door. And a door there. They're talking. Mother and lady are talking about the little boy. "What's the little boy doing, talking to the father?" The father is telling him a secret about a safe that has money in it. When father and baby go out, baby looks for the safe and father shows him where it is. They they get the money, they go up a tree. They put the money in the safe tree. The lady and mother go in the kitchen and break the little boy's toy, 'cause they don't like the little monkey. They get a knife and bang the toy. Father and baby come in again and talk about more money in a bank, \$150,000 bucks. They go out and the money is gone. It fell through the hole in the tree to the bottom and the little monkey went through the hole and got the money and came out again.

Story 9.--- Oh boy. There's a stove and smoke coming out the chimney and little rabbit wakes up and somebody's hiding behind the door. The man comes out and the rabbit is asleep.

118

Story 5.-- A bed and a crib with two little cats. Father and mother are in the big bed. There's a design there and three windows. A big golden comes in sneaking and picks up the two cats and the crib and leaves mother and daddy there. But he takes the covers off mother and daddy and dashes out the window. He takes light and unhangs it and cuts wire and brings lamp with him too, so mother and daddy can't see. When they go downstairs to see if babies are there, they'll break their neck, 'cause they can't see. They keep their money in a safe. Golden comes and takes the money and makes a big hole in the floor and takes the big bed down.

Story 6.-- Some leaves. Baby sleeps on them and the father's sleeping in a net. The net's covered with brown. The father gets up and wakes up baby, who says, "Why'd you wake you up?" Then the father went to sleep again because the baby was sleeping. When the baby gets up, he creeps and gets behind the net and gets underneath the father and keeps punching him and punching him. And baby gets up and keeps punching the father's mouth. The baby goes to sleep again and father gets up and his mouth begins down with blood. The baby doesn't feel good either, 'cause he's all out of breath.

Story 7.-- A little monkey there and a big tiger. There are leaves and a big tree that the monkey's hanging on. And some rope there. When the monkey falls down underneath the rocks, his head gets all crushed. The tiger has big teeth. There are all rocks and a tree and the sky is blue. When the tiger falls, he growls. He walks around the rocks. He sees a big net and it's a trap and he walks in it. Somebody comes and closes the net and they caught the tiger.

Story 8.-- There's a picture of a lady monkey. There's the baby monkey and the father monkey and the mother monkey, and the lady who lives next door. And a door there. They're talking. Mother and lady are talking about the little boy. "What's the little boy doing, talking to the father?" The father is telling him a secret about a safe that has money in it. When father and baby go out, baby looks for the safe and father shows him where it is. They get the money, they go up a tree. They put the money in the safe tree. The lady and mother go in the kitchen and break the little boy's toy, 'cause they don't like the little monkey. They get a knife and bang the toy. Father and baby come in again and talk about more money in a bank. \$150,000 bucks. They go out and the money is gone. It fell through the hole in the tree to the bottom and the little monkey went through the hole and got the money and came out again.

Story 9.-- Oh boy. There's a stove and smoke coming out the chimney and little rabbit wakes up and somebody's hiding behind the door. The man comes out and the rabbit is asleep.

The rabbit gets up again when the man is gone. He closes the door and comes out of his room and then he goes downstairs and picks up a tray and brings it upstairs and puts it behind his pillow and goes downstairs and gets two cups and a small piece of wood and when the man comes, he's still asleep. And he takes everything out and puts it on his stomach and he turns his head and he throws the wood right at the goblin. And he keeps the other stuff till the next goblin comes to get him. He throws a cup at the next goblin's head.

Story 10.-- A baby dog. There's the bathroom. The pup has to go to the bathroom. He goes and then he washes his hands. He wipes his hands and goes to his father. He forgot to flush the toilet so he stood up on his seat and flushed it. The mother says, "Bow, wow, wow." The father says, "Bow, wow, wow" again and the baby gets up from the seat and goes to the living room and goes to watch T.V. And there's a big tiger on top of the T. V. The dog goes out and yells to mother and father.

Protocol 21

Story 1.-- (From right to left) this here bird is the mother and this is the big brother and this here is the baby and they have finished cereal. Mother says "We're going to take a walk after we do dishes."

Story 2.-- These are gorillas, father, mother, and baby. They are playing a game to see who can pull who down. Father is winning and then he almost gets pulled down and he goes running down the hill to the knot on the rope. Mother and baby look after him down to the bottom of the hill.

Story 3.-- The lion is king of the beasts so that is why I like him. I also like him because he is sitting on a throne. The lion is sitting down to see if anybody comes in. The mouse is looking from the doorway at him. The lion said, "Why don't I ever get anyone to visit me?" So he goes to the castle of the bear. When they got to the castle the lion sat down and said, "OK, Mr. Bear, you go out and play in the palace yard, OK?" So that is how come the bear, the mouse, and the lion came to go together.

Story 4.-- The mother kangaroo is hopping along holding her hat; she is going to the grocery store. Big brother is going on the bike, and he doesn't see a nail so he gets a flat tire and when he got it fixed mother was already home and when he got to the grocery store mother wasn't there.

Story 5.-- These are two little baby bears in their crib in the cave while mother bear is at work. They sleep through

142

The rabbit gets up again when the man is gone. He closes the door and comes out of his room and then he goes downstairs and picks up a tray and brings it upstairs and puts it behind his pillow and goes downstairs and gets two cups and a small piece of wood and when the man comes, he's still asleep. And he takes everything out and puts it on his stomach and he turns his head and he throws the wood right at the golfin. And he keeps the other stuff till the next golfin comes to get him. He throws a cup at the next golfin's head.

Story 10. --- A baby dog. There's the bathroom. The dog has to go to the bathroom. He goes and then he washes his hands. He wipes his hands and goes to his father. He forgot to flush the toilet so he started up on his seat and finished it. The mother says, "Wow, wow, wow." The father says, "Wow, wow, wow." again and the baby gets up from the seat and goes to the living room and goes to watch T.V. And there's a big tiger on top of the T.V. The dog goes out and yells to mother and father.

Protocol 21

Story 1. --- (From right to left) this here bird is the mother and this is the big brother and this here is the baby and they have finished cereal. Mother says "We're going to take a walk after we do dishes."

Story 2. --- These are gorillas, father, mother, and baby. They are playing a game to see who can pull who down. Father is winning and then he almost gets pulled down and he goes running down the hill to the knot on the rope. Mother and baby look after him down to the bottom of the hill.

Story 3. --- The lion is king of the beasts so that is why I like him. I also like him because he is sitting on a throne. The lion is sitting down to see if anybody comes in. The mouse is looking from the doorway at him. The lion said, "Why don't I ever get anyone to visit me?" So he goes to the castle of the bear. When they got to the castle the lion sat down and said, "OK, Mr. Bear, you go out and play in the palace yard, OK?" So that is how come the bear, the mouse, and the lion came to go together.

Story 4. --- The mother kangaroo is hopping along holding her hat; she is going to the grocery store. Big brother is going on the bike, and he doesn't see a nail so he gets a flat tire and when he got it fixed mother was already home and when he got to the grocery store mother wasn't there.

Story 5. --- These are two little baby bears in their crib in the cave while mother bear is at work. They asleep through

school. The alarm rang at 12:09 so they went to school and told their teacher that they were just coming back from lunch. Then they told their mother that they had lied so she said you can't go to school for 10,000 days so they didn't and by the time 10,000 days were up they were dead.

Story 6.-- Baby bear and father bear are in the cave asleep. Baby bear heard a noise. They went out to get something to eat. A lion was there. He chased them back into the cave but they ran out the back door and locked him in the cave. Then mother came home from the store, took her key out and unlocked the door. When she saw the lion she locked it again. Then they moved to another cave and the three bears lived happily ever after.

Story 7.-- The tiger climbed down the tree and chased the monkey. He tried to bite the monkey's tail off. Another monkey told the baboons what had happened and they all came out but they didn't chase the tiger. 12,058,098,000 tigers lived happily ever after. "Did you know that all the tigers were girls, and all lions are boys?"

Story 8.-- The big brother and little brother baboon are talking and mother and father are too. Grandmother came in saying, "Howdy, I'm looking for something to eat. I met a tiger and uncle baboon and the tiger wants us to go to his den with him." So the six baboons and the tiger lived happily.

Story 9.-- This bunny is sick in bed at home. His mother is out shopping. He had to go to the bathroom but didn't want to go outside, but he jumped out of bed and went as near to the bed as he could. When mother came back he was in bed and the two bunnies lived happily ever after.

Story 10.-- Two puppy dogs are playing in the bathroom. Mother says, "Come on, kids, we have to go to the store." But the kids want to stay at home and play. But mother said, "When we gotta go we gotta go and so they went and the two puppies lived happily ever after."

Protocol 22

Story 1.-- It's dinner time. The baby chicks are going to eat. They are waiting for their mother to put the soup in their bowls.

Story 2.-- The bears are on a hill. They're playing a tug of war game. The baby and his boy friend are pulling the rope from the big bear's sister. The rope hurts their hands.

150
school. The alarm rang at 12:00 so they went to school and told their teacher that they were just coming back from lunch. Then they told their mother that they had lied so she said you can't go to school for 10,000 days so they didn't and by the time 10,000 days were up they were dead.

Story 6.--- Baby bear and father bear are in the cave asleep. Baby bear heard a noise. They went out to get something to eat. A lion was there. He chased them back into the cave but they ran out the back door and locked him in the cave. Then mother came home from the store, took her key out and unlocked the door. When she saw the lion she locked it again. Then they moved to another cave and the three bears lived happily ever after.

Story 7.--- The tiger climbed down the tree and chased the monkey. He tried to bite the monkey's tail off. Another monkey told the baboons what had happened and they all came out but they didn't chase the tiger. 12,000,000 tigers lived happily ever after. "Did you know that all the tigers were girls and all lions are boys?"

Story 8.--- The big brother and little brother baboon are talking and mother and father are too. Grandmother came in saying, "Howdy, I'm looking for something to eat. I met a tiger and uncle baboon and the tiger wants us to go to his den with him." So the six baboons and the tiger lived happily.

Story 9.--- This bunny is sick in bed at home. His mother is out shopping. He had to go to the bathroom but didn't want to go outside, but he jumped out of bed and went as near to the bed as he could. When mother came back he was in bed and the two bunnies lived happily ever after.

Story 10.--- Two puppy dogs are playing in the bathroom. Mother says, "Come on, kids, we have to go to the store." But the kids want to stay at home and play. But mother said, "When we gotta go we gotta go and so they went and the two puppies lived happily ever after."

Protocol 22

Story 1.--- It's dinner time. The baby chicks are going to eat. They are waiting for their mother to put the soup in their bowls.

Story 2.--- The bears are on a hill. They're playing a tug of war game. The baby and his boy friend are pulling the rope from the big bear's altar. The rope hurts their hands.

Story 3.-- The lion is waiting for the mouse to come out of the hole. He hit the mouse with his cane and kill it.

Story 4.-- The kangaroos are coming home from the store. They bought things for the supper. They have to hurry and get the supper ready for their father.

Story 5.-- It's night time. The bears are asleep in their crib.

Story 6.-- The bears are asleep for the winter in their cave. They are getting thin because they havn't eaten their food all winter.

Story 7.-- The tiger and monkey are in the jungle. The tiger is trying to get the monkey. The monkey will climb high up in the tree and get away from the tiger.

Story 8.-- The monkey family is in the living room. They are having a party. The mother told the baby monkey that it is time for him to say "good-night" and go to bed. He don't like to go to bed.

Story 9.-- The rabbit is looking out of the door. He can see his mother getting his breakfast. His mother will call him when it is time for breakfast.

Story 10.-- The mother is going to spank the puppy. He barked so much and a lot of noise when he was in the bathroom.

Protocol 23

Story 1.-- The little babies eating and their mother might come and help them and when they eat mother will eat with them. Father might come and eat too. The mother will give them some milk and the mother will have some coffee and then they will eat. Then they will play and then they will have a nap. After they have a nap they will play. Then it will be supper time. Then they will go to bed. Then the next morning they got up and played. Then it will be dinner time again. Then I'll watch T.V. and then they'll go to bed.

Story 2.-- Little baby--if this bear lets go he might fall down and the big one (with baby) will fall down. Then they will hurt themselves. The rope might break and then this bear (solitary one) will fall down and he'll hurt himself. Then the next morning the mother will see them and she will cry. Then they will die (all three). Then she (mother) will eat dinner. Then she cannot eat. Then she will feel bad. Then a grand-father comes and says, "Where is my little bear and where is

my little bear and where is father and where is medium sized bear?" Then the next morning she did not feel bad and the next morning she could eat again. Then she could eat forever. Then she did not cry again. Next morning she was all right.

Story 3.-- A little mice is in the corner. The little mice comes out and he might bit it. I think it's a piece of cloth. It's really the tail. The lion might think there is something on his tail. He might jump around. Then his pipe might fall. Then it will fall on the little mouse. Then the little mice will run around with the pipe on his head. The big lion will think-- will run all round and he couldn't run as fast as the little mice. Then finally the lion caught him and he got his pipe. Then his cane will fall. Then the little mice will jump on the arm of the chair and then he will get caught. The lion caught his leg in the cane. Then the lion can't catch him. Then finally the lion caught him. Then he went for a walk, the lion with his cane. Then he bought another pipe and then he went home.

Story 4.-- Little baby in like a little basket. There, this little one rides over the balloon. It will break. If the mother hops too hard she will fall on a rock and break the bottle. If she hops too high the money will fall out of the bag and the pocketbook strap might come off. They are going for a picnic and they are having a nice time. They will come back for dinner. Her hat might fall off.

Story 5.-- Two little teddy bears in the bed. Maybe there's a little baby under the sheet. The teddy bear moves and baby under there might cry. Somebody might come in the window and wake the baby up. The mother might come and pick her up and rock her. Then the baby will fall asleep. The mother will put her to bed. Then she will gl to sleep. One moening she woke up and then she had her dinner and then she had her supper and then she went to bed.

Story 6.-- The thing right there might wake up. He might see somebody. Then the father will wake up and then the mother will wake up and then they will wake up. Then they all run after him. Then he fell in the bears' hole. Then he hot his leg caught in the hole. Then he got out and ran away. Then the bears went back in the cave and then they went to sleep.

Story 7.-- The lion is jumping after the monkey. The monkey might get up in the tree and drop a coconut on his head and then the lion will get back on his tree. Then he will go on the rocks. Then he'll jump on the other tree and then he will jump on the monkey. Then the monkey will hurt himself. Then the lion jumped on the rocks again. Then the monkey jumped on the lion. Then the monkey will bite the lion's tail. Then the

lion will jump around. Then the lion swung him on his tail. Then he got angry and the monkey hurt himself. Then the monkey hurt himself again. Then he jumped on the lion's back. The lion saw him jumping around. The monkey was up in the tree and the monkey was laughing and threw another coconut on the lion's head. Then the lion was growling. Then he laughed and laughed (the monkey). Then he was all right (the monkey). Then the lion was jumping all around when the monkey wasn't even on his tail.

Story 8.-- Father is telling the little baby to go to sleep. The mother is talking to the grandfather monkey. The little baby monkey went to sleep. Next morning the little baby monkey had his breakfast. Then his father went to work. The mother was cleaning up, that's when the little baby monkey came in and said, "hello mother". Then she did the rest of her work. Then she had dinner and the father came in and had supper then he went back to work.

Story 9.-- Little baby bunny in the bed. It looks like the door's open and somebody is going to come in. Then somebody did come in. Then the little baby rabbit woke and got out of his bed and said, "hello mother". Then he went back to sleep. The next morning he went to school. He had his breakfast, then he came home from school and had his dinner. Then he went back to school. Then when he was in school it was time to go home. Then he had his supper and then he went to bed.

Story 10.-- The little doggy is on something and the father is spanking him. Then the little doggy cried. The father put him off his knee and then the father went to work. The mother was cleaning up and the baby was still crying. Then he wanted to sit down and watch T.V. but he couldn't because his behind was so sore. Then he had a bath and he couldn't sit down. Then he got out and went to bed. Then he woke up the next morning. He sat down and his behind was not sore. The next night he could sit down and watch T.V. He was spanked because he was doing something wrong.

Protocol 24

Story 1.-- The baby chicks are going to eat and they haven't anything in their dishes. I don't know if their mother will give them anything. She might. I think she'll give them some pudding that is in the dish.

Story 2.-- These bears are having a tug of war. The baby, the father and the mummy. They'll see who is strongest. The baby is on the mother's side. The father might fall over because there are two on one side.

Story 3.-- Oh, boy! He's a big one. The lion is the king. The mouse is on one side of him. The lion is looking for the mouse. The mouse is peeking from the other side. As the lion turns he'll catch the mouse. The mouse is on this side and the lion's eyes are pointing that side too. I know he'll catch the mouse.

Story 4.-- The mother is going home with the birl baby and the boy on the bike. The mother will tumble over and spill everything. Everything will be gone and the baby will go up in the air.

Story 5.-- Somebody is sleeping in bed--oh--baby bears instead of people. If anyone comes in they'll get scared--but I don't think they will. The babies will scare anyone away because they are awake.

Story 6.-- The bear is in the cave. The mother and father are on the other side. The baby bear is playing. He could be playing with a bone that he found. He'll play with the bone until his father and mother wake up.

Story 7.-- The lion is chasing the monkey. The monkey will climb fast and just make it. I think he'll get the monkey and eat him up.

Story 8.-- Well, the big monkey - the father - is telling the little monkey to be a good boy. The aunts are talking and drinking coffee. The little boy will be a good boy.

Story 9.-- The baby rabbit is near the door. If someone comes in, he'll get scared. Maybe someone will scare him. He'll jump out of bed and run away and go to his father. His father will keep him from being scared.

Story 10.-- This is a good one! The father and the baby. The father is spanking the baby because he went to the bathroom in his pants and on the floor. The baby is saying "Ouch!" That's what I say.

Protocol 25

Story 1.-- Four and twenty blackbirds. One day there was three little birds - Jack, Bill and John and they was eating and they said, "Ain't you through yet?" What a day. It was raining. Then I said, "Oops, I see a shadow of a rooster."

Story 2.-- One day there was three bears trying to break a rope and the big one wins. They said how did you win and they

said, oh, you puny thing, how could you win, but they didn't know it was a weak rope. The bear fell off the mountain and that was the end of him.

Story 3.-- One day there was a big old lion sitting in a chair and he had a pipe and he put water in it and he didn't know but there was some dynamite in it and, poff, that's the end of him. And then the little mouse came out and saw some cheese and snap, that's the end of the house and there's no one to take care of it so they burned it. He's a sly looking kind of mouse and he wanted to eat the lion. Where do you get all these cards?

Story 4.-- One day everyone was riding and the big kangaroo with the baby fell off and the big one fell in the water and the little one didn't know how to ride and he smashed into a Christmas tree and that was the end.

Story 5.-- I know what this is pretending to be. There was two little bears in a crib and they said if someone comes in we'll eat them, but how can we they're so big. When we eat them we'll get food and we won't want to eat for another year. When we do there won't be anyone prowling around 'cause we'll eat them. And there's really a wolf under the blankets and he came out and ate those two little bears and that's the end of the story.

Story 6.-- One day there was two bears sleeping in a cave and one little one and he was awake and thinking about it when he got up and ate both bears and that was the end of the two bears and the little one was eaten by a prowling man. To me, I can think of good stories.

Story 7.-- One day there was a big tiger chasing a monkey. The tiger said, "If you don't get out of here I'll eat you", and the monkey climbed the tree, but the tiger ate him and there was dynamite and that was the end of the whole world.

Story 8.-- The silliest pictures. One day the monkeys were talking and the father was certainly mad. A silly picture on the wall and one was saying, hurry up, or I'll drink that too and he dropped his cup and got so mad that he pulled her cup out of her hand and smashed it. (This story was related to the monkeys on the couch.)

Story 9.-- One day there was a little rabbit in a crib and it was so dark he didn't like it and he tried to get out and pop - he finally sat up and saw an ogre coming and he said help, help, I got to get out of here or at least I have to close the door, but he got too close and was all ate up.

Story 10.-- That's a cute one! One day there was two pup and the big one was carrying one till of he went, splash into the toilet and he flushed the toilet and that was the end of the pup and he was mad and he was kind of sad for flushing him so down he went into the toilet himself and that was the end.

APPENDIX B

TABLE 1. Q. AND AVERAGE NUMBER OF HAZES PER PROTOCOL: ARTICULATION GROUP

Q. No.	1	2	3	4	5	6	7	8	9	10	MEAN	1. Q.
1.	35	31	64	42	53	55	44	40	92	35	50.0	85
2.	31	40	33	42	35	72	22	45	48	34	40.8	94
3.	21	21	14	16	28	11	23	10	25	13	20.6	95
4.	30	22	20	21	31	17	15	28	81	42	40.0	98
5.	11	22	29	23	36	15	10	21	26	19	22.9	100
6.	31	34	28	42	37	19	21	44	36	45	36.4	103
7.	33	86	51	72	66	20	33	40	70	60	51.3	105
8.	30	80	52	66	71	24	33	88	62	55	60.3	109
9.	99	87	82	103	109	26	65	68	59	65	74.3	110
10.	36	61	61	36	61	17	47	64	66	72	54.3	112
11.	18	12	21	29	22	17	41	27	60	33	25.0	114
12.	157	116	35	75	26	71	16	91	64	69	70.7	114
13.	35	41	52	76	46	53	51	50	52	52	52.1	115
14.	8	21	16	24	20	19	15	11	22	23	19.9	115
15.	31	72	89	62	51	51	54	73	87	11	59.2	119
TOTAL	663	758	655	761	675	624	589	771	841	636		
MEAN	45.5	50.5	43.7	50.7	45.0	41.6	39.3	51.4	55.1	42.6	40.6	

I. Q. AND AVERAGE NUMBER OF WORDS PER PROTOCOL: ARTICULATION GROUP

GIRLS	1	2	3	4	5	6	7	8	9	10	MEAN	I. Q.
1.	35	31	64	42	51	55	44	48	92	35	50.0	85
2.	31	40	33	42	35	72	22	45	48	34	40.2	94
3.	21	21	14	18	28	31	23	10	25	15	20.6	95
4.	30	35	20	31	31	37	35	58	81	42	40.0	98
5.	11	22	28	33	36	15	16	23	26	19	22.9	100
6.	31	31	28	42	37	39	31	44	36	45	36.4	103
7.	58	86	57	73	68	60	33	48	70	60	61.3	105
8.	80	80	52	68	71	39	72	88	82	56	68.3	109
9.	99	87	82	103	109	26	65	68	59	45	74.3	110
10.	36	61	61	38	61	37	47	64	66	72	54.3	112
11.	18	12	21	29	22	17	45	27	26	33	25.0	114
12.	157	118	35	75	26	71	36	91	69	69	74.7	114
13.	35	41	55	76	46	53	51	56	52	52	51.7	114
14.	8	21	16	24	20	19	15	31	22	23	19.9	115
15.	33	72	89	67	34	53	54	70	87	33	59.2	119
TOTAL	683	758	655	761	675	624	589	771	841	636		
MEAN	45.5	50.5	43.7	50.7	45.0	41.6	39.3	51.4	56.1	42.4	46.6	
TOTAL	1169	1226	1451	1439	1312	1259	1120	1329	1227	1199		
MEAN	46.8	49.1	58.0	57.6	52.5	50.4	44.8	53.2	49.1	48.0	50.9	

I. Q. AND AVERAGE NUMBER OF WORDS PER PROTOCOL: ARTICULATION GROUP

BOYS	1	2	3	4	5	6	7	8	9	10	MEAN	I. Q.
1.	28	58	66	100	56	34	67	32	35	56	53.8	91
2.	31	34	26	32	40	48	32	24	32	39	33.1	92
3.	107	65	40	84	69	104	102	48	52	50	72.1	95
4.	100	83	112	110	68	59	59	124	127	112	95.0	99
5.	91	113	76	65	97	63	28	54	43	76	73.0	99
6.	27	39	37	51	47	41	60	60	22	37	39.9	99
7.	53	46	52	77	39	44	50	49	62	53	53.0	99
8.	34	39	61	30	81	41	50	73	39	53	53.0	100
9.	37	49	70	80	77	75	80	92	48	48	49.2	101
10.	46	36	72	90	58	101	35	79	91	42	69.2	101
11.	47	48	46	60	42	40	46	72	48	26	59.1	103
12.	38	32	38	53	57	35	39	54	61	94	58.0	106
13.	36	32	43	28	29	42	33	39	44	27	44.0	108
14.	15	12	19	32	22	20	21	13	26	17	34.8	109
15.	28	37	34	38	37	33	27	36	41	43	19.7	109
16.	24	23	14	22	18	29	27	43	30	20	35.9	109
17.	36	31	35	43	28	22	24	33	34	48	35.0	109
18.	19	30	32	31	28	22	24	26	32	50	33.4	114
19.	26	24	31	24	27	26	26	24	31	32	32.2	114
20.	100	124	191	101	99	103	63	114	55	94	27.1	115
21.	45	42	26	39	70	45	37	44	60	42	44.0	117
22.	32	55	41	58	47	24	38	70	44	46	45.0	117
23.	87	119	211	114	106	109	53	68	62	64	99.3	117
24.	24	26	30	32	45	66	23	32	32	26	33.6	119
25.	58	31	43	44	25	33	38	26	30	29	35.7	120
TOTAL	1169	1228	1451	1439	1312	1259	1120	1329	1227	1199		
MEAN	46.8	49.1	58.0	57.6	52.5	50.4	44.8	53.2	49.1	48.0	50.9	

I. Q. AND AVERAGE NUMBER OF WORDS PER PROTOCOL: NORMAL GROUP

GIRLS	1	2	3	4	5	6	7	8	9	10	MEAN	I. Q.
1.	33	57	68	48	59	36	71	66	39	52	52.9	88
2.	25	23	25	18	24	25	27	37	19	20	24.3	95
3.	82	98	151	128	168	150	98	106	40	83	110.4	98
4.	60	57	50	70	106	59	51	55	89	75	67.2	99
5.	38	44	68	98	96	69	93	100	76	29	71.1	105
6.	44	52	86	120	99	89	158	131	74	52	90.5	106
7.	15	42	34	45	46	46	73	38	62	42	44.3	106
8.	42	38	78	77	140	56	92	122	77	57	77.9	109
9.	40	46	24	49	41	41	47	48	44	50	43.0	111
10.	15	26	22	52	36	40	58	57	41	44	39.1	111
11.	17	41	37	38	44	35	40	55	34	30	37.1	111
12.	38	42	55	40	25	36	40	56	41	28	40.1	112
13.	107	142	146	118	176	165	149	136	75	97	131.1	113
14.	155	86	73	138	50	89	58	76	57	44	82.6	119
15.	70	96	67	184	199	228	109	91	169	111	132.4	124
TOTAL	781	890	984	1223	1309	1164	1164	1174	937	814		
MEAN	52.1	59.3	65.6	81.5	87.3	77.6	77.6	78.3	62.5	54.3	69.6	

I. Q. AND AVERAGE NUMBER OF WORDS PER PROTOCOL: NORMAL GROUP

BOYS	1	2	3	4	5	6	7	8	9	10	MEAN	I. Q.
1.	54	55	80	109	52	47	88	51	68	80	68.4	90
2.	95	81	89	126	149	124	108	75	58	63	96.8	91
3.	41	72	94	117	56	71	84	53	50	50	68.7	96
4.	43	51	45	94	43	94	73	92	46	46	62.7	99
5.	37	51	61	49	56	31	30	42	64	31	42.2	100
6.	30	25	19	26	23	20	30	30	27	29	25.9	100
7.	20	44	44	55	144	107	154	153	145	115	28.1	101
8.	36	69	118	86	81	55	70	47	60	57	67.8	102
9.	18	25	14	28	13	20	19	30	21	20	20.9	104
10.	24	50	41	67	49	74	54	60	71	39	52.5	105
11.	46	44	41	77	76	63	68	52	105	33	60.3	109
12.	31	91	59	78	67	67	69	50	39	42	59.8	110
13.	28	89	62	78	67	80	94	101	71	37	73.5	111
14.	50	124	121	169	87	162	99	169	91	143	121.5	111
15.	19	24	36	40	41	36	46	71	53	57	42.3	112
16.	35	64	34	41	43	30	26	50	30	44	39.7	113
17.	16	29	29	28	22	17	34	31	25	20	25.1	113
18.	51	73	64	63	50	38	48	62	61	96	60.2	114
19.	11	68	78	64	109	72	117	113	109	70	81.2	114
20.	88	82	124	88	126	107	90	183	140	115	114.3	115
21.	35	55	124	56	78	85	57	54	58	52	65.4	115
22.	23	33	23	26	10	22	31	40	27	24	25.9	117
23.	103	125	172	79	89	73	170	83	96	113	110.3	118
24.	38	39	63	36	34	42	25	31	40	38	38.6	120
25.	43	55	94	43	87	56	47	54	67	64	61.0	124
TOTAL	985	1518	1729	1755	1652	1593	1731	1777	1622	1478		
MEAN	39.4	60.7	69.2	70.2	66.1	63.7	69.2	71.1	64.9	59.1	63.4	

RATINGS OF ORAL THEMES PER PROTOCOL: ARTICULATION GROUP

GIRLS	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
1.	1	0	2	0	0	0	3	0	1	0
2.	1	0	1	0	0	0	0	1	0	0
3.	1	0	0	0	0	0	0	0	0	0
4.	1	0	3	0	0	0	0	0	2	0
5.	1	0	0	0	0	0	2	1	0	0
6.	1	0	3	0	0	0	3	0	0	0
7.	3	0	3	0	0	0	2	2	0	0
8.	1	0	3	0	1	1	0	1	1	0
9.	1	0	3	0	0	0	3	1	0	0
10.	1	0	0	1	0	0	0	1	0	0
11.	1	0	1	0	0	0	3	1	0	0
12.	1	0	0	0	0	0	0	0	0	0
13.	1	0	3	0	0	3	3	0	3	0
14.	0	0	0	0	0	0	0	0	0	0
15.	1	0	2	0	0	0	0	1	0	0
BOYS										
1.	0	1	0	0	0	0	3	1	0	2
2.	1	0	1	0	0	0	0	0	2	0
3.	0	0	1	0	0	0	0	1	0	0
4.	1	0	3	2	0	0	3	0	0	0
5.	1	0	2	0	0	0	3	0	0	0
6.	1	0	2	0	0	0	3	1	0	0
7.	1	0	0	0	1	0	0	0	1	0
8.	1	0	0	0	0	0	2	1	0	0
9.	1	0	2	0	0	0	3	1	0	0
10.	0	0	0	0	0	0	0	0	0	0
11.	1	0	1	0	0	0	0	3	3	0
12.	1	0	2	0	0	0	0	0	0	0
13.	1	0	1	0	0	0	0	0	0	0
14.	1	0	1	0	0	0	0	1	0	0
15.	1	1	1	0	0	0	2	1	1	0
16.	0	0	0	0	0	0	0	1	0	0
17.	0	0	0	0	0	0	2	0	0	0
18.	1	0	3	0	0	0	0	1	0	0
19.	1	0	2	0	0	0	2	0	0	0
20.	1	0	1	0	1	1	2	1	1	0
21.	1	0	2	0	0	2	2	2	0	0
22.	1	0	1	0	0	0	2	1	0	0
23.	3	3	3	3	0	3	3	0	0	0
24.	1	0	2	0	0	3	2	1	1	0
25.	1	0	1	1	1	0	1	1	1	0

RATINGS OF ORAL TRENDS PER PROTOCOL: ARTICULATION GROUP

GIRLS									
1	2	3	4	5	6	7	8	9	10
1.	1	0	2	0	0	3	0	1	0
2.	1	0	1	0	0	0	1	0	0
3.	1	0	0	0	0	0	0	0	0
4.	1	0	0	0	0	0	0	2	0
5.	1	0	0	0	0	2	1	0	0
6.	1	0	0	0	0	2	0	0	0
7.	1	0	0	0	0	2	0	0	0
8.	1	0	0	0	1	0	1	1	0
9.	1	0	0	0	0	0	1	0	0
10.	1	0	0	1	0	0	1	0	0
11.	1	0	1	0	0	0	1	0	0
12.	1	0	0	0	0	0	0	0	0
13.	1	0	0	0	0	0	0	3	0
14.	1	0	0	0	0	0	0	0	0
15.	1	0	2	0	0	0	1	0	0
BOYS									
1	2	3	4	5	6	7	8	9	10
1.	0	1	0	0	0	3	1	0	2
2.	1	0	0	0	0	0	1	0	0
3.	1	0	0	0	0	0	0	0	0
4.	1	0	0	0	0	0	0	0	0
5.	1	0	0	0	0	0	0	0	0
6.	1	0	0	0	0	0	0	0	0
7.	1	0	0	0	0	0	0	0	0
8.	1	0	0	0	0	2	1	0	0
9.	1	0	0	0	0	0	0	0	0
10.	1	0	0	0	0	0	0	0	0
11.	1	0	0	0	0	0	0	2	0
12.	1	0	0	0	0	0	0	0	0
13.	1	0	0	0	0	0	0	0	0
14.	1	0	0	0	0	0	0	0	0
15.	1	0	0	0	0	0	0	0	0
16.	1	0	0	0	0	0	0	0	0
17.	1	0	0	0	0	0	0	0	0
18.	1	0	0	0	0	0	0	0	0
19.	1	0	0	0	0	0	0	0	0
20.	1	0	0	0	0	0	0	0	0
21.	1	0	0	0	0	0	0	0	0
22.	1	0	0	0	0	0	0	0	0
23.	1	0	0	0	0	0	0	0	0
24.	1	0	0	0	0	0	0	0	0
25.	1	0	0	0	0	0	0	0	0

HOSTILITY DIRECTED TOWARD PARENTS: ACTIVATION GROUP

RATINGS OF ORAL THEMES PER PROTOCOL: NORMAL GROUP

GIRLS	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
1.	1	1	1	0	0	0	0	1	0	0
2.	1	0	0	0	0	0	0	1	0	0
3.	1	0	3	0	0	0	3	0	0	0
4.	1	0	1	0	1	0	0	0	0	0
5.	1	0	1	0	1	1	1	1	0	1
6.	1	2	0	0	1	0	3	0	1	0
7.	1	0	0	0	0	0	0	1	0	0
8.	1	0	1	1	0	0	1	3	0	0
9.	1	0	0	0	0	0	3	0	0	0
10.	0	0	1	0	0	0	0	0	0	0
11.	1	0	1	0	0	0	0	1	0	0
12.	1	0	0	1	0	0	1	0	1	0
13.	1	0	0	1	0	0	2	1	0	0
14.	1	1	1	0	0	1	0	0	0	0
15.	1	0	0	0	0	0	0	0	0	0
BOYS										
1.	1	0	2	0	0	0	0	1	0	2
2.	0	0	0	0	0	0	0	1	0	0
3.	1	0	0	0	0	0	0	0	0	0
4.	1	0	2	0	0	0	0	1	0	0
5.	1	0	0	0	0	0	0	1	0	0
6.	1	0	0	0	0	0	0	0	0	0
7.	1	0	2	0	1	1	0	1	1	0
8.	0	0	1	0	0	0	0	0	1	1
9.	0	0	1	0	0	1	0	0	0	0
10.	1	0	0	0	0	0	3	0	0	0
11.	1	0	2	0	0	0	0	0	0	0
12.	1	0	1	0	0	1	0	0	0	3
13.	1	0	0	0	0	0	3	0	0	0
14.	1	0	3	2	2	2	3	1	1	1
15.	1	0	2	0	0	0	0	1	0	0
16.	1	0	1	0	0	0	0	0	0	0
17.	1	0	0	0	0	0	0	1	0	0
18.	1	0	3	0	0	0	0	0	0	0
19.	0	0	1	0	0	0	0	1	0	1
20.	1	0	3	0	0	0	0	0	0	0
21.	1	0	0	0	0	0	2	0	0	0
22.	0	0	0	0	0	0	0	0	0	0
23.	1	1	0	0	1	0	2	1	1	0
24.	0	0	0	0	0	0	2	1	0	0
25.	1	0	0	0	3	3	3	2	3	0

1-3 - Themes expressing hostility directed toward mother
 4-6 - Themes expressing hostility directed toward father
 7-9 - Themes expressing hostility directed toward mother & father

HOSTILITY DIRECTED TOWARD PARENTS: ARTICULATION GROUP

Themes per Protocol

GIRLS	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
1.	0	M	0	0	0	0	0	0	0	0
2.	0	0	0	0	0	F	0	0	0	F
3.	0	0	0	0	0	0	0	0	0	0
4.	M	0	0	M	0	F	0	0	0	0
5.	0	0	0	M	0	0	0	0	0	0
6.	0	0	0	0	0	0	0	0	0	0
7.	M	0	0	0	0	0	0	0	M	0
8.	0	0	0	0	0	0	0	0	M-F	0
9.	0	0	0	0	0	0	0	0	0	0
10.	0	0	0	0	0	0	0	0	0	0
11.	0	0	0	0	0	0	0	0	0	0
12.	0	0	0	0	0	0	0	0	0	0
13.	0	M	0	M	0	0	0	0	0	0
14.	0	0	0	0	0	0	0	0	0	0
15.	0	M	0	0	0	0	0	0	0	0
BOYS										
1.	0	0	0	0	0	0	0	0	0	0
2.	0	M-F	0	0	0	0	0	0	0	0
3.	0	F	0	0	0	0	M	M	0	0
4.	M	F	F	M	0	M-F	0	0	M	M
5.	0	0	0	M	0	0	0	M	F	0
6.	0	0	0	0	0	M-F	0	M	0	0
7.	0	F	0	0	0	0	0	0	0	M
8.	0	0	0	0	0	0	0	0	0	0
9.	0	0	0	0	0	0	0	0	0	0
10.	0	0	0	0	0	M-F	0	0	0	0
11.	0	0	0	M	0	0	0	M	0	0
12.	0	0	0	0	0	0	0	0	0	0
13.	0	0	0	0	0	0	0	0	0	0
14.	0	0	0	0	0	0	0	0	0	0
15.	0	0	0	0	0	0	0	0	0	0
16.	0	0	0	0	0	0	0	0	0	0
17.	0	0	0	0	0	0	0	0	0	0
18.	0	0	0	0	0	0	0	0	0	0
19.	0	0	0	0	0	0	0	0	0	0
20.	0	F	0	0	0	0	0	0	0	F
21.	0	0	0	0	0	0	0	0	0	0
22.	0	0	0	0	0	0	0	0	0	0
23.	0	0	0	0	0	M-F	0	0	0	0
24.	0	0	0	0	0	M-F	0	0	0	0
25.	0	0	0	0	0	0	0	0	0	0

M - Theme expressing hostility directed toward mother.

F - Theme expressing hostility directed toward father.

M-F - Theme expressing hostility directed toward mother & father.

M-F - Theme expressing hostility directed toward mother & father.
 F - Theme expressing hostility directed toward father.
 M - Theme expressing hostility directed toward mother.

BOYS											
1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0
GIRLS											
1	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0

Themes per Protocol

HOSTILITY DIRECTED TOWARD PARENTS: ARTICULATION GROUP

HOSTILITY DIRECTED TOWARD PARENTS: NORMAL GROUP

Themes per Protocol

GIRLS	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
1.	0	0	0	0	0	0	0	0	0	0
2.	0	0	0	0	0	0	0	0	0	0
3.	0	0	0	0	0	M-F	0	0	0	0
4.	0	0	0	0	0	0	0	0	0	0
5.	0	0	0	0	0	0	0	0	0	0
6.	0	M	0	0	0	0	0	0	0	0
7.	0	0	0	0	0	0	0	0	0	0
8.	0	0	0	0	0	0	0	0	0	0
9.	0	0	0	M	0	0	0	0	0	0
10.	0	0	0	0	0	0	0	0	0	0
11.	0	F	0	0	0	0	0	0	0	0
12.	0	0	0	0	0	0	0	0	0	0
13.	0	0	0	0	0	0	0	0	0	0
14.	M-F	0	0	0	0	0	0	0	0	0
15.	0	0	0	0	0	0	0	0	0	0
BOYS										
1.	0	0	0	0	0	0	0	0	0	0
2.	0	M	0	0	0	0	0	0	0	0
3.	0	0	0	0	0	0	0	F	0	0
4.	0	0	0	0	0	0	0	0	0	0
5.	0	M-F	0	M	M-F	M-F	0	0	M-F	0
6.	0	0	0	0	0	0	0	0	0	0
7.	0	M	0	0	0	0	0	0	0	0
8.	0	0	F	M	0	0	0	0	0	0
9.	0	0	0	0	0	0	0	0	0	0
10.	0	0	0	0	0	0	0	0	0	0
11.	0	0	0	M	0	0	0	0	0	0
12.	0	0	0	0	0	0	0	0	0	0
13.	0	0	0	0	0	0	0	0	0	0
14.	0	0	0	M	0	0	0	0	0	0
15.	0	0	0	0	0	0	0	0	0	0
16.	0	F	0	0	0	0	0	0	0	0
17.	0	0	0	0	0	0	0	0	0	0
18.	0	F	0	0	0	0	0	0	0	0
19.	0	0	0	0	0	0	0	0	0	0
20.	0	0	0	M	M-F	F	0	0	0	0
21.	0	0	0	0	0	0	0	0	0	0
22.	0	0	0	0	0	0	0	0	0	0
23.	0	0	0	M	0	0	0	0	0	0
24.	0	F	0	M	0	0	0	0	0	0
25.	0	0	0	0	0	0	0	0	0	0

M - Theme expressing hostility directed toward mother.

F - Theme expressing hostility directed toward father.

M-F - Theme expressing hostility directed toward mother & father.

HOSTILITY DIRECTED TOWARD PARENTS: NORMAL GROUP

Themes per Protocol

										GIRLS
1	0	0	0	0	0	0	0	0	0	1.
2	0	0	0	0	0	0	0	0	0	2.
3	0	0	0	0	0	0	0	0	0	3.
4	0	0	0	0	0	0	0	0	0	4.
5	0	0	0	0	0	0	0	0	0	5.
6	0	0	0	0	0	0	0	0	0	6.
7	0	0	0	0	0	0	0	0	0	7.
8	0	0	0	0	0	0	0	0	0	8.
9	0	0	0	0	0	0	0	0	0	9.
10	0	0	0	0	0	0	0	0	0	10.
11	0	0	0	0	0	0	0	0	0	11.
12	0	0	0	0	0	0	0	0	0	12.
13	0	0	0	0	0	0	0	0	0	13.
14	0	0	0	0	0	0	0	0	0	14.
15	0	0	0	0	0	0	0	0	0	15.
										BOYS
1	0	0	0	0	0	0	0	0	0	1.
2	0	0	0	0	0	0	0	0	0	2.
3	0	0	0	0	0	0	0	0	0	3.
4	0	0	0	0	0	0	0	0	0	4.
5	0	0	0	0	0	0	0	0	0	5.
6	0	0	0	0	0	0	0	0	0	6.
7	0	0	0	0	0	0	0	0	0	7.
8	0	0	0	0	0	0	0	0	0	8.
9	0	0	0	0	0	0	0	0	0	9.
10	0	0	0	0	0	0	0	0	0	10.
11	0	0	0	0	0	0	0	0	0	11.
12	0	0	0	0	0	0	0	0	0	12.
13	0	0	0	0	0	0	0	0	0	13.
14	0	0	0	0	0	0	0	0	0	14.
15	0	0	0	0	0	0	0	0	0	15.
16	0	0	0	0	0	0	0	0	0	16.
17	0	0	0	0	0	0	0	0	0	17.
18	0	0	0	0	0	0	0	0	0	18.
19	0	0	0	0	0	0	0	0	0	19.
20	0	0	0	0	0	0	0	0	0	20.
21	0	0	0	0	0	0	0	0	0	21.
22	0	0	0	0	0	0	0	0	0	22.
23	0	0	0	0	0	0	0	0	0	23.
24	0	0	0	0	0	0	0	0	0	24.
25	0	0	0	0	0	0	0	0	0	25.

M - Theme expressing hostility directed toward mother.
F - Theme expressing hostility directed toward father.
M-F - Theme expressing hostility directed toward mother & father.

PARENTS PERCEIVED AS HOSTILE: ARTICULATION GROUP

Themes per Protocol

GIRLS	1	2	3	4	5	6	7	8	9	10
1.	M	0	0	0	0	0	0	0	0	M
2.	0	0	0	0	0	0	0	F	0	F
3.	0	0	0	0	0	0	0	0	0	0
4.	M	M-F	0	0	M	0	0	M-F	M-F	M-F
5.	0	0	0	0	0	0	0	0	0	0
6.	0	M-F	0	0	0	0	0	M	0	F
7.	M	F	0	M	0	0	0	0	0	M
8.	M	M	0	0	0	0	0	0	0	M
9.	0	0	0	0	0	0	0	0	0	0
10.	0	0	0	0	0	0	0	0	0	F
11.	0	0	0	0	0	0	0	0	0	0
12.	0	0	0	0	0	0	0	0	M	0
13.	M	0	0	M	0	0	0	M	0	M
14.	0	0	0	0	0	0	0	F	0	F
15.	0	0	0	0	0	0	0	0	0	0
BOYS	0	0	0	0	0	0	0	0	0	0
1.	0	0	0	0	0	0	0	M	0	P
2.	F	0	0	0	0	0	0	0	0	P
3.	0	0	0	0	0	0	0	0	0	M
4.	0	0	0	0	0	0	0	0	M	M
5.	0	0	0	M	0	0	0	0	0	0
6.	0	0	0	0	0	0	0	0	0	M
7.	0	0	0	0	0	F	0	0	0	M
8.	0	0	0	0	0	0	0	0	0	0
9.	0	0	0	0	0	0	0	0	0	F
10.	0	0	0	0	0	0	0	0	0	F
11.	0	0	0	0	0	0	0	0	0	M
12.	0	0	0	0	0	0	0	F	0	F
13.	0	0	0	0	0	0	0	0	0	0
14.	0	0	0	0	0	0	0	0	0	0
15.	M	0	0	0	0	0	0	M	0	0
16.	0	0	0	0	0	0	0	M	0	F
17.	0	0	0	0	0	0	0	0	0	M
18.	M	0	0	0	0	0	0	0	0	0
19.	0	0	0	0	0	0	0	0	0	M
20.	0	0	0	0	0	0	0	F	0	0
21.	0	0	0	0	0	M	0	M	0	F
22.	0	0	0	0	0	0	0	0	0	M
23.	0	0	0	0	0	0	0	M	0	0
24.	0	0	0	0	0	0	0	0	0	F
25.	0	0	0	0	0	0	0	0	0	0

M - Themes expressing perception of mother as hostile.

F - Themes expressing perception of father as hostile.

P - Themes expressing perception of parent as hostile.

M-F - Themes expressing perception of mother & father as hostile.

PARENTS PERCEIVED AS HOSTILE: ARTICULATION GROUP

Themes per Protocol

GIRLS											
1.	0	0	0	0	0	0	0	0	0	0	0
2.	0	0	0	0	0	0	0	0	0	0	0
3.	0	0	0	0	0	0	0	0	0	0	0
4.	0	0	0	0	0	0	0	0	0	0	0
5.	0	0	0	0	0	0	0	0	0	0	0
6.	0	0	0	0	0	0	0	0	0	0	0
7.	0	0	0	0	0	0	0	0	0	0	0
8.	0	0	0	0	0	0	0	0	0	0	0
9.	0	0	0	0	0	0	0	0	0	0	0
10.	0	0	0	0	0	0	0	0	0	0	0
11.	0	0	0	0	0	0	0	0	0	0	0
12.	0	0	0	0	0	0	0	0	0	0	0
13.	0	0	0	0	0	0	0	0	0	0	0
14.	0	0	0	0	0	0	0	0	0	0	0
15.	0	0	0	0	0	0	0	0	0	0	0
BOYS											
1.	0	0	0	0	0	0	0	0	0	0	0
2.	0	0	0	0	0	0	0	0	0	0	0
3.	0	0	0	0	0	0	0	0	0	0	0
4.	0	0	0	0	0	0	0	0	0	0	0
5.	0	0	0	0	0	0	0	0	0	0	0
6.	0	0	0	0	0	0	0	0	0	0	0
7.	0	0	0	0	0	0	0	0	0	0	0
8.	0	0	0	0	0	0	0	0	0	0	0
9.	0	0	0	0	0	0	0	0	0	0	0
10.	0	0	0	0	0	0	0	0	0	0	0
11.	0	0	0	0	0	0	0	0	0	0	0
12.	0	0	0	0	0	0	0	0	0	0	0
13.	0	0	0	0	0	0	0	0	0	0	0
14.	0	0	0	0	0	0	0	0	0	0	0
15.	0	0	0	0	0	0	0	0	0	0	0
16.	0	0	0	0	0	0	0	0	0	0	0
17.	0	0	0	0	0	0	0	0	0	0	0
18.	0	0	0	0	0	0	0	0	0	0	0
19.	0	0	0	0	0	0	0	0	0	0	0
20.	0	0	0	0	0	0	0	0	0	0	0
21.	0	0	0	0	0	0	0	0	0	0	0
22.	0	0	0	0	0	0	0	0	0	0	0
23.	0	0	0	0	0	0	0	0	0	0	0
24.	0	0	0	0	0	0	0	0	0	0	0
25.	0	0	0	0	0	0	0	0	0	0	0

M - Thomas expressing perception of mother as hostile.
F - Thomas expressing perception of father as hostile.
P - Thomas expressing perception of parent as hostile.
M-F - Thomas expressing perception of mother & father as hostile.

PARENTS PERCEIVED AS HOSTILE: NORMAL GROUP

Themes per Protocol

GIRLS	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
1.	0	0	0	0	0	0	0	0	0	0
2.	0	0	0	0	0	0	0	0	0	M
3.	0	0	0	0	0	0	0	0	0	P
4.	0	0	0	0	0	0	0	0	0	O
5.	0	0	0	0	0	0	0	0	M	O
6.	0	0	0	M	0	M-F	0	P	0	M
7.	0	0	0	0	0	0	0	0	0	F
8.	0	0	0	0	0	0	0	0	0	O
9.	0	0	0	0	0	0	0	M	0	F
10.	0	0	0	0	0	0	0	0	0	M
11.	0	0	0	0	0	0	0	0	0	F
12.	0	0	0	0	0	0	0	0	0	M
13.	0	0	0	0	0	0	0	0	0	M
14.	0	0	0	0	0	0	0	0	0	F
15.	0	0	0	0	0	0	0	0	0	O
BOYS										
1.	0	0	0	0	0	0	0	0	0	F
2.	0	0	0	0	0	0	0	0	0	O
3.	0	0	0	0	0	0	0	0	0	O
4.	M	0	0	0	0	0	0	F	0	M
5.	0	0	0	0	0	0	0	0	0	O
6.	0	0	0	0	0	0	0	0	0	M
7.	0	F	0	0	0	0	0	0	0	O
8.	0	0	0	0	0	0	0	0	0	O
9.	0	0	0	0	0	0	0	M	0	M
10.	0	0	0	0	0	0	0	0	0	F
11.	0	0	0	0	0	0	0	0	0	M
12.	0	0	0	0	0	0	0	0	0	M
13.	0	0	0	0	0	0	0	0	0	O
14.	0	0	0	0	0	0	0	0	M	M
15.	0	0	0	0	0	0	0	0	0	F
16.	0	0	0	0	0	0	0	0	0	M
17.	0	0	0	0	0	0	0	0	0	F
18.	0	0	0	0	0	0	0	P	0	M
19.	0	0	0	0	0	0	0	0	0	O
20.	0	0	0	0	0	0	0	M	0	O
21.	0	0	0	0	M	0	0	0	0	O
22.	0	0	0	0	0	0	0	0	0	M
23.	0	0	0	0	0	0	0	0	0	F
24.	0	0	0	0	0	0	0	0	0	F
25.	0	0	0	0	0	0	0	0	0	O

M - Themes expressing perception of mother as hostile.

F - Themes expressing perception of father as hostile.

P - Themes expressing perception of parent as hostile.

M-F - Themes expressing perception of mother & father as hostile.

PARENTS PERCEIVED AS HOSTILE: NORMAL GROUP

Thomas per Protocol

GIRLS	Thomas per Protocol									
	1	2	3	4	5	6	7	8	9	10
1.	0	0	0	0	0	0	0	0	0	0
2.	0	0	0	0	0	0	0	0	0	0
3.	0	0	0	0	0	0	0	0	0	0
4.	0	0	0	0	0	0	0	0	0	0
5.	0	0	0	0	0	0	0	0	0	0
6.	0	0	0	0	0	0	0	0	0	0
7.	0	0	0	0	0	0	0	0	0	0
8.	0	0	0	0	0	0	0	0	0	0
9.	0	0	0	0	0	0	0	0	0	0
10.	0	0	0	0	0	0	0	0	0	0
11.	0	0	0	0	0	0	0	0	0	0
12.	0	0	0	0	0	0	0	0	0	0
13.	0	0	0	0	0	0	0	0	0	0
14.	0	0	0	0	0	0	0	0	0	0
15.	0	0	0	0	0	0	0	0	0	0

BOYS	Thomas per Protocol									
	1	2	3	4	5	6	7	8	9	10
1.	0	0	0	0	0	0	0	0	0	0
2.	0	0	0	0	0	0	0	0	0	0
3.	0	0	0	0	0	0	0	0	0	0
4.	0	0	0	0	0	0	0	0	0	0
5.	0	0	0	0	0	0	0	0	0	0
6.	0	0	0	0	0	0	0	0	0	0
7.	0	0	0	0	0	0	0	0	0	0
8.	0	0	0	0	0	0	0	0	0	0
9.	0	0	0	0	0	0	0	0	0	0
10.	0	0	0	0	0	0	0	0	0	0
11.	0	0	0	0	0	0	0	0	0	0
12.	0	0	0	0	0	0	0	0	0	0
13.	0	0	0	0	0	0	0	0	0	0
14.	0	0	0	0	0	0	0	0	0	0
15.	0	0	0	0	0	0	0	0	0	0
16.	0	0	0	0	0	0	0	0	0	0
17.	0	0	0	0	0	0	0	0	0	0
18.	0	0	0	0	0	0	0	0	0	0
19.	0	0	0	0	0	0	0	0	0	0
20.	0	0	0	0	0	0	0	0	0	0
21.	0	0	0	0	0	0	0	0	0	0
22.	0	0	0	0	0	0	0	0	0	0
23.	0	0	0	0	0	0	0	0	0	0
24.	0	0	0	0	0	0	0	0	0	0
25.	0	0	0	0	0	0	0	0	0	0

M - Thomas expressing perception of mother as hostile.
F - Thomas expressing perception of father as hostile.
P - Thomas expressing perception of parent as hostile.
M-F - Thomas expressing perception of mother & father as hostile.

BIBLIOGRAPHY

BOOKS

1. Abt, L. E. and Bellak, L., "Projective Psychology", New York: Alfred A. Knopf, Inc., 1950.
2. Adler, A., (Editor & Translator, Redin, P.) "The Practice and Theory of Individual Psychology", French, Troemer and Co., Ltd., 1935.
3. Anderson, H. H., and Anderson, G. L., "An Introduction to Projective Techniques", Prentice-Hall, Inc., 1951.
4. Bell, J. E., "Projective Techniques", New York: Longmans, Green and Co., Inc., 1948.
5. Backus, G., "Speech in Education", New York: Longmans, Green and Co., Inc., 1943.

6. Barker, K. G. and Tounin, J. S. and Wright H. V., "Child Behavior and Development", New York: McGraw-Hill Book Co., Inc., 1943.

APPENDIX C

7. Cronbach, L. J., "The Essentials of Psychological Testing", New York: Harper And Brothers, 1949.
8. Fenichel, S., "The Psychoanalytic Theory of Neurosis", New York: W. W. Norton and Co., Inc., 1945.
9. Fisher, R. A., "Statistical Methods for Research Workers", New York: Hafner Publishing Co., Inc., 1948.
10. Freud, S., "The Basic Writings of Sigmund Freud", Edited by Brill, E. A., New York: Random House, 1937.
11. Garrett, H. E., "Statistics in Psychology and Education", New York: Longmans, Green and Co., Inc., 1947.
12. Griffiths, R., "A Study of Imagination in Early Childhood", London: Routledge & Logan Paul, Ltd., 1935.
13. Realy, W., Sommer, A., and Bowers, A. M., "The Structure and Meaning of Psychoanalysis", New York: A. A. Knopf, 1938.
14. Johnson, W., Brown, S. F., Curtis, J. F., Biner, C. W., and Keaster, J., "Speech Handicapped School Children", New York: Harper and Brothers, Publishers.

APPENDIX C

BIBLIOGRAPHY

BOOKS

1. Abt, L. E. and Bellak, L., "Projective Psychology", New York: Alfred A. Knopf, Inc., 1950.
2. Adler, A., (Editor & Translator, Radin, P.) "The Practise and Theory of Individual Psychology", Trench, Trubner and Co., Ltd., 1925.
3. Anderson, H. H., and Anderson, G. L., "An Introduction to Projective Techniques", Prentice-Hall, Inc., 1951.
4. Bell, J. E., "Projective Techniques", New York: Longmans, Green and Co., Inc., 1948,
5. Backus, O., "Speech in Education", New York: Longmans, Green and Co., Inc., 1943.
6. Barker, R. G. and Kounin, J. S. and Wright H. F., "Child Behavior and Development", New York: McGraw-Hill Book Co., Inc., 1943.
7. Cronbach, L. J., "The Essentials of Psychological Testing", New York: Harper and Brothers, 1949.
8. Fenichel, O., "The Psychoanalytic Theory of Neurosis", New York: W. W. Norton and Co., Inc., 1945.
9. Fisher, R. A., "Statistical Methods for Research Workers", New York: Hafner Publishing Co., Inc., 1948.
10. Freud, S., "The Basic Writings of Sigmund Freud", Edited by Brill, A. A., New York: Random House, 1937.
11. Garrett, H. E., "Statistics in Psychology and Education", New York: Longmans, Green and Co., Inc., 1947.
12. Griffiths, R., "A Study of Imagination In Early Childhood", London: Routledge & Kegan Paul, Ltd., 1935.
13. Healy, W., Bonner, A., and Bowers, A. M., "The Structure and Meaning of Psychoanalysis", New York: A. A. Knopf, 1938.
14. Johnson, W., Brown, S. F., Curtis, J. F., Edney, C. W., and Keaster, J., "Speech Handicapped School Children", New York: Harper and Brothers, Publishers.

BIBLIOGRAPHY

BOOKS

1. Apt, L. E. and Bellak, L., "Projective Psychology", New York: Alfred A. Knopf, Inc., 1950.
2. Adler, A., (Editor & Translator, Radin, E.), "The Practice and Theory of Individual Psychology", French, Turner and Co., Ltd., 1935.
3. Anderson, R. H., and Anderson, G. L., "An Introduction to Projective Techniques", Prentice-Hall, Inc., 1933.
4. Bell, J. E., "Projective Techniques", New York: Longmans, Green and Co., Inc., 1948.
5. Beckus, G., "Speech in Education", New York: Longmans, Green and Co., Inc., 1945.
6. Barker, R. G. and Kounin, J. S. and Wright R. F., "Child Behavior and Development", New York: McGraw-Hill Book Co., Inc., 1945.
7. Cronbach, L. J., "The Essentials of Psychological Testing", New York: Harper and Brothers, 1940.
8. Penickel, O., "The Psychoanalytic Theory of Neurosis", New York: W. W. Norton and Co., Inc., 1945.
9. Fisher, R. A., "Statistical Methods for Research Workers", New York: Halper Publishing Co., Inc., 1948.
10. Freud, S., "The Basic Writings of Sigmund Freud", Edited by Brill, A. A., New York: Random House, 1937.
11. Garrett, H. E., "Statistics in Psychology and Education", New York: Longmans, Green and Co., Inc., 1947.
12. Griffiths, R., "A Study of Imagination in Early Childhood", London: Routledge & Kegan Paul, Ltd., 1935.
13. Healy, W., Bonner, A., and Bowers, A. M., "The Structure and Meaning of Psychoanalysis", New York: A. A. Knopf, 1938.
14. Johnson, W., Brown, S. F., Curtis, J. F., Ebbey, C. W., and Keaster, J., "Speech Handicapped School Children", New York: Harper and Brothers, Publishers.

15. Klopfer, B. and Kelley, D. M., "The Rorschach Technique", New York: World Book Co., 1946.
16. Murphy, G., "Personality", New York: Harper and Brothers, 1947.
17. Radke, M. J., "The Relation of Parental Authority to Children's Behavior and Attitudes". Minneapolis: The University of Minnesota Press, 1946.
18. Rapaport, D., "Diagnostic Psychological Testing", Chicago: The Year Book Publishers, Inc., 1946.
19. Rorschach, H., "Psychodiagnostics", New York: Greene and Stratton, 1942.
20. Schilder, P., (Editor & Translator, David Rapaport), "Medical Psychology", New York: International Universities Press, Inc., 1953.
21. Symonds, P. M., "Adolescent Fantasy", New York: Columbia University Press, 1949.
22. Symonds, P. M., "The Dynamics of Human Adjustment", New York: Appleton-Century-Crofts, Inc., 1946.
23. West, R., Kennedy, L., and Carr, A., "The Rehabilitation of Speech", New York: Harper and Brothers, 1947.
24. White, R. W., "The Abnormal Personality", New York: The Ronald Press Co., 1948.
25. Van Riper, C., "Speech Correction Principles and Methods", New York: Prentice-Hall, Inc., 1947.
26. "The Psychoanalytic Study of the Child", Vol. II., New York: International Universities Press, Inc., 1946.
27. "The Psychoanalytic Study of the Child", Vol. III/IV, New York: International Universities Press, Inc., 1949.

10. Klopfer, H., "Personality Differences Among Stutterers as Indicated by the Rorschach Test", Am. J. Ortho., Vol. 4, 1934, p. 248-249.

11. Klopfer, H., "Personality Differences between Stutterers and Non-Stuttering Children by the Rorschach Test", Jr. of Exp., Vol. 12, Jan., 1944, p. 39-50.

15. Klopfer, E. and Kelley, D. W., "The Rorschach Technique", New York: World Book Co., 1948.
16. Murphy, O., "Personality", New York: Harper and Brothers, 1947.
17. Radke, K. J., "The Relation of Parental Authority to Children's Behavior and Attitudes", Minneapolis: The University of Minnesota Press, 1948.
18. Rapoport, D., "Diagnostic Psychological Testing", Chicago: The Year Book Publishers, Inc., 1948.
19. Rorschach, H., "Psychodiagnostics", New York: Grune and Stratton, 1942.
20. Schilder, P., (Editor & Translator, David Rapoport), "Medical Psychology", New York: International Universities Press, Inc., 1953.
21. Symonds, P. M., "Adolescent Fantasy", New York: Columbia University Press, 1949.
22. Symonds, P. M., "The Dynamics of Human Adjustment", New York: Appleton-Century-Crofts, Inc., 1948.
23. West, R., Kennedy, L., and Carr, A., "The Rehabilitation of Speech", New York: Harper and Brothers, 1947.
24. White, R. W., "The Abnormal Personality", New York: The Ronald Press Co., 1947.
25. Van Riper, C., "Speech Correction Principles and Methods", New York: Prentice-Hall, Inc., 1947.
26. "The Psychoanalytic Study of the Child", Vol. II, New York: International Universities Press, Inc., 1948.
27. "The Psychoanalytic Study of the Child", Vol. III/IV, New York: International Universities Press, Inc., 1949.

BIBLIOGRAPHY

JOURNAL ARTICLES

1. Balkan, E., and VanderVerr, M., "The Clinical Application of the Thematic Apperception Test to Neurotic Children", Amer. Jr. of Ortho. Vol. 14, 1944.
2. Becky, R. E., "A Study of Certain Factors Related to Retardation of Speech", JSHD, Vol. 7, 1942, pp.223-249.
3. Bellak, L., and Bellak, S., "Introductory Note on the CAT", Jr. of Proj. Tech., Vol. 14, #2, June, 1950.
4. Broda, D. C., and Izard, C.E., and Cruikshank, W. M., "Thematic Apperception Reactions of Crippled Children", Jr. of Clin. Psych., Vol. 6, 1950.
5. Eron, D. D., Terry, D., and Callahan, R., "The Use of Rating Scales for Emotional Tone of TAT Stories", Jr. of Cons. Psych., Vol. 14, 1950.
6. Faust, F., "Sprachstörung und Personlichkeitschildung", ("Speech Disturbances and Personality Formation"), Allg. Z. Psychiat., 115, 1940, (Psych. Abstracts) 16, 1942, p. 120.
7. Lindmann, E., "Symptomatology and Management of Acute Grief", Am. Jr. of Psych. 1942, Vol. 101, p.141-148.
8. Lindzey, G., "Thematic Apperception Test: Interpretive Assumptions and Related Empirical Evidence," Psych. Bull., Vol. 49, #1, January, 1952, pp. 2-15.
9. Madison, L., and Norman, R. D., "A Comparison of the Performance of Stutterers and Non-Stutterers on the Rosenzweig Picture-Frustration Study", Jr. of Clinical Psych., Vol. 8, April, 1952, p. 179-183.
10. Meltzer, H., "Personality Differences Among Stutters as Indicated by the Rorschach Test", Am. Jr. Ortho., Vol. 4, July, 1934, p. 268-262.
11. Meltzer, H., "Personality Differences between Stutters and Non-Stuttering Children by the Rorschach Test", Jr. of Psy., Vol. 12, Jan., 1944, p. 39-50.

BIBLIOGRAPHY

JOURNAL ARTICLES

1. Balkan, E., and Vandervert, M., "The Clinical Application of the Thematic Apperception Test to Neurotic Children", Amer. Jr. of Ortho., Vol. 14, 1944.
2. Becky, R. E., "A Study of Certain Factors Related to Repetition of Speech", JSHD, Vol. 7, 1942, pp. 223-249.
3. Bellak, L., and Bellak, S., "Introductory Note on the CAT", Jr. of Proj. Tech., Vol. 14, 2, June, 1950.
4. Brods, D. C., and Lash, G., and Crulshank, W. M., "Thematic Apperception Reactions of Crippled Children", Jr. of Clin. Psych., Vol. 6, 1950.
5. Bron, D. D., Terry, D., and Callahan, R., "The Use of Rating Scales for Emotional Tone of TAT Stories", Jr. of Cons. Psych., Vol. 14, 1950.
6. Faust, E., "Sprachstörung und Persönlichkeitsbildung", ("Speech Disturbances and Personality Formation"), Alp. Z. Psychiatrie, 115, 1940, (Abstracts) 16, 1942, p. 120.
7. Lindmann, E., "Symptomatology and Management of Acute Brief", Am. Jr. of Psych., 1942, Vol. 101, p. 141-148.
8. Lindzey, G., "Thematic Apperception Test: Interpretive Assumptions and Related Empirical Evidence", Psych. Bull., Vol. 49, 1, January, 1952, pp. 2-15.
9. Madison, L., and Norman, R. D., "A Comparison of the Performance of Stutterers and Non-Stutterers on the Rosenzweig Picture-Frustration Study", Jr. of Clinical Psych., Vol. 6, April, 1952, p. 179-183.
10. Meltzer, H., "Personality Differences Among Stutterers as Indicated by the Rorschach Test", Am. Jr. Ortho., Vol. 4, July, 1934, p. 228-232.
11. Meltzer, H., "Personality Differences between Stutterers and Non-Stuttering Children by the Rorschach Test", Jr. of Psych., Vol. 12, Jan., 1944, p. 23-30.

12. Morgan, E. and Murray, H. A., "A Method for Investigating Phantasies; The Thematic Apperception Test", Arch. Neur and Psych. Vol. 34, 1935, p. 289-306.
13. Moskowitz, H., "Psychiatric Factors in Speech Correction", Quart. J. Speech, Vol. 27, 1941, p. 537-541.
14. Myklebust, H., "The Uses of Clinical Psychological Screening Techniques by Audiologists and Speech Pathologists", JSHD, Vol. 15, 1950, p. 129-131.
15. Quarrington, B., "A Comparison of the Performance of Stutterers and Non-Stutterers on the Picture-Frustration Test", Jr. of Clin Psych., Vol. 9, #2,
16. Richardson, L. H., "A Personality Study of Stutterers and Non-Stutterers", JSHD, Vol. 9, June, 1952, p.152-160.
17. Shames, G., "An Investigation of Prognosis and Evaluation in Speech Therapy", JSHD, Vol. 17, 1952.
18. Spieler, J., "Freiwillige Schweiger und Sprachscheue Kinder, (Voluntary Silence and Fear of Speech in Children)", Z. Kinderforsch, Vol. 49, 1941, (Psych. Abstr., Vol. 16, 1942), p. 524.

SPECIAL PUBLICATIONS

- Bellak, L. and Bellak, S. "Children's Apperception Test", New York: C.P.S. Co., 1949.
- "TAT Newsletter", Jr. of Proj. Tech. Vol. V, No. 3, Winter, 1951,
- "TAT Newsletter", Jr. of Proj. Tech. Vol. VII, No. 4, Dec. 1953.

12. Morgan, E. and Murray, H. A., "A Method for Investigating
Phonetic; The Phonetic Apperception Test",
Arch. Neurol. and Psych., Vol. 34, 1935, p. 289-306.
13. Moskowitz, H., "Psychiatric Factors in Speech Correction",
Quart. J. Speech, Vol. 27, 1941, p. 237-241.
14. Myklebust, H., "The Uses of Clinical Phonological
Screening Techniques by Audiologists and Speech
Pathologists", JASH, Vol. 12, 1939, p. 129-131.
15. Gumpston, E., "A Comparison of the Performance of
Stutterers and Non-Stutterers on the Picture-
Presentation Test", Jr. of Clin Psych., Vol. 9, 1942.
16. Richardson, L. H., "A Personality Study of Stutterers and
Non-Stutterers", JASH, Vol. 9, June, 1932, p. 152-160.
17. Shames, G., "An Investigation of Prognosis and Evaluation
in Speech Therapy", JASH, Vol. 14, 1932.
18. Spielner, J., "Freiwillige Schweiger und Sprachschwache
Kinder (Voluntary Silence and Fear of Speech in
Children)", E. Kinderpsych., Vol. 49, 1941,
(Psych. Abstr., Vol. 16, 1942), p. 534.

SPECIAL EVALUATIONS

- Belak, I. and Belak, S., "Children's Apperception Test",
New York: C.P.S. Co., 1949.
- "TAT Newsletter", Jr. of Proj. Tech., Vol. V, No. 3, Winter, 1951.
- "TAT Newsletter", Jr. of Proj. Tech., Vol. VII, No. 4, Dec. 1952.

AGAN, MARLON G.

KAUFMAN, MARILYN A.

A PRELIMINARY INVESTIGATION OF SOME
RELATIONSHIPS BETWEEN FUNCTIONAL ARTICU-
TION DISORDERS AND RESPONSES TO THE
CHILDREN'S APPERCEPTION TEST.



DERCO

FOR REFERENCE

Do Not Take From This Room



